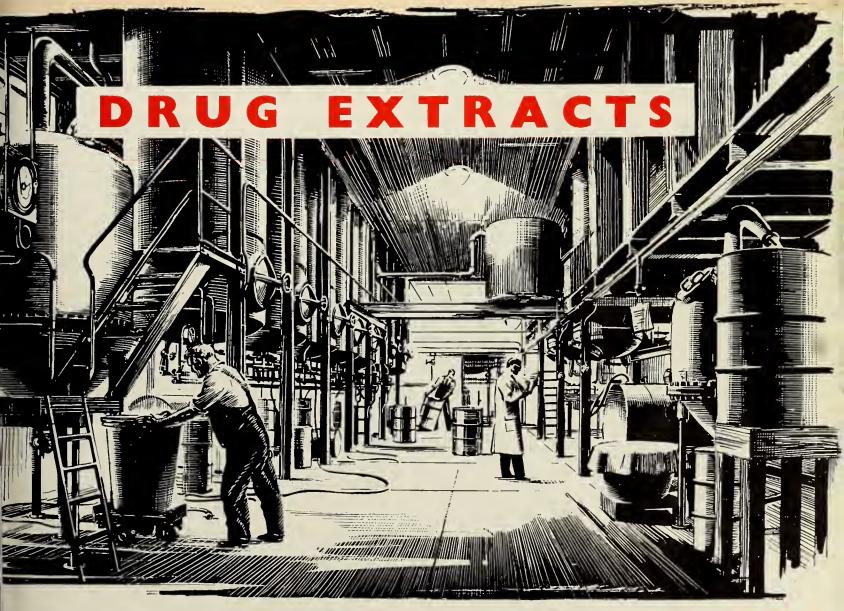
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For Retailer, Wholesaler and Manufacturer

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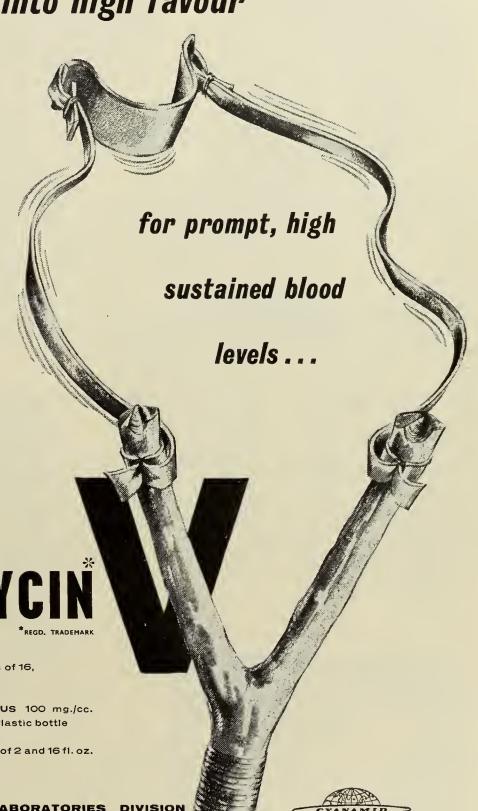
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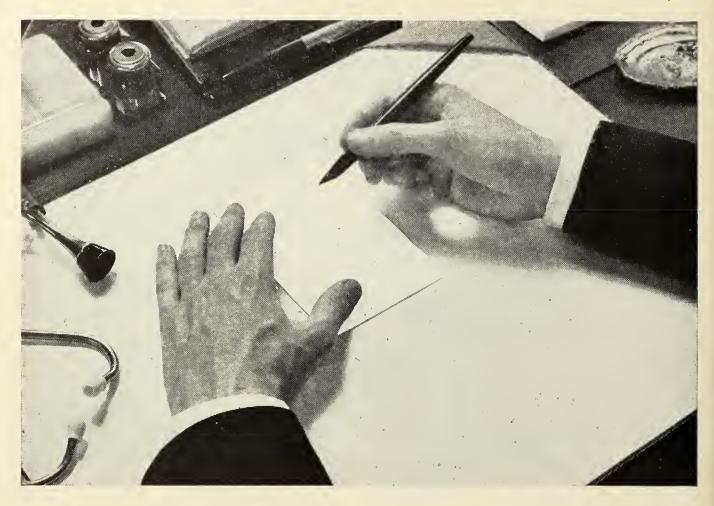
CAPSULES 250 mg. Bottles of 16, 100 and 1000

PEDIATRIC DROPS AQUEOUS 100 mg./cc. 1 Gm. in 10 cc. Plastic bottle

SYRUP 125 mg./5 cc. Bottles of 2 and 16 fl. oz.



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He simply writes 'Codis' now

Doctors have long been aware of the value of compound analgesic preparations for the relief of susceptible pains and discomforts.

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In Codis, agents have been added to solubilise

the aspirin base of Tab. Codein. Co. In water, Codis provides—with codeine and phenacetin calcium aspirin.

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For these reasons the medical profession has widely endorsed Codis. You will find yourself dispensing it increasingly often.



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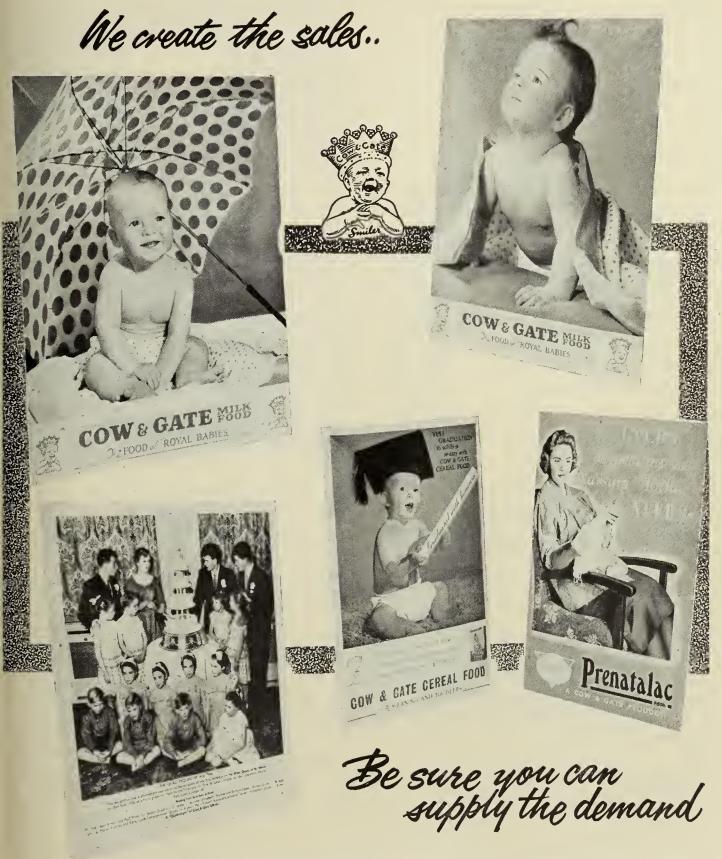
Composition. Each Codis tablet contains: Acid Acetylsalicyl. B.P. 4 gr., Phenacet. B.P. 4 gr., Codein, Phosph. B.P. 0.125 gr., Calc. Carb. B.P. 1.2 gr., Acid. Cit. B.P. (exsic) 0.4 gr.

CODIS IS NOT ADVERTISED TO THE PUBLIC

DISPENSING PACK (Purchase Tax Free). 500 tablets in distinctive gold foils of 10 tablets each, 25/- per box.

PUBLIC SIZES. Pack of 20 tablets (in foil), 2/8 inc. P.T.; 8 tablets, 1/4 inc. P.T.

RECKITT & SONS LTD., HULL & LONDON, PHARHACEUTICAL DEPT., HULL



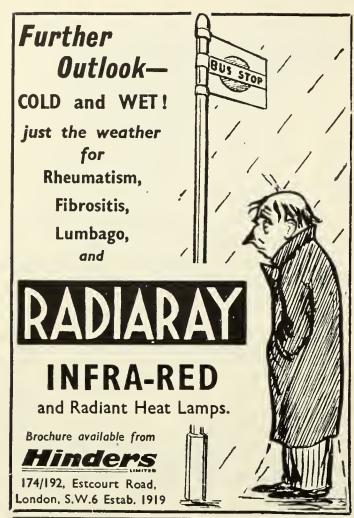
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Prepared primarily for pharmacists, the Dictionary is indispensable also for pharmaceutical manufacturers, advertising agents concerned with the marketing of medicinal products and indeed all who have to find their way around among the multifarious medicinal compounds of modern times.

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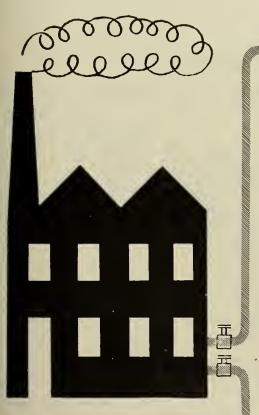
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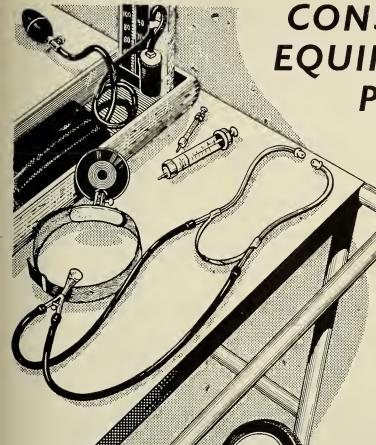


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This complete 'flash' outfit consists of: reflector and transparent diffuser cover; metal battery attachment; bulb adaptor; and two 'Photoflux' flashbulbs,—Britain's best sellers.



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(PF3131)





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HAVER CAMPAIGN EVER!



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On the 31st October, 1958, in the High Court,

COUNTY LABORATORIES LTD

and

MACLEANS LTD

brought actions against

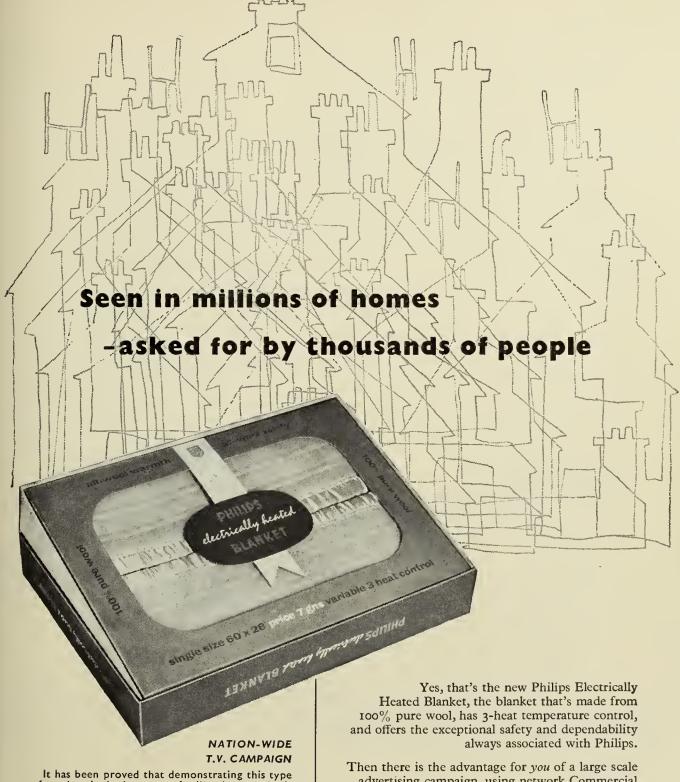
ARTHUR MANNY

178 Maple Road, Penge, S.E.20

to enforce an agreement that the defendant would not sell their products retail except at the fixed retail prices set out in the relevant price lists.

In both cases, the plaintiffs were granted a perpetual injunction with costs.

Companies of the Beecham Group have taken thirteen successful actions to protect the prices at which their goods may be sold to the public. It is their policy to ensure fair and reasonable profit margins to the trade and to give the public a continuing assurance of high quality and good service at fair prices.



It has been proved that demonstrating this type of product is the best way of selling it — so that's just what we've done. On all Commercial T.V. Networks — London, the Midlands, the North, Wales & West, Southern and Scotland — the Philips Electrically Heated Blanket is playing a star part, before a big audience — now! The result? Sales and plenty of them! Be sure to get your share.

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PHILIPS electrically heated Blankets

ALL-WOOL WARMTH-ALL-WOOL SAFETY





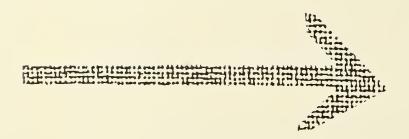
B.S. 2612 Lic. No. 2659 These blankets conform to all the requirements of the British Standards Institution.



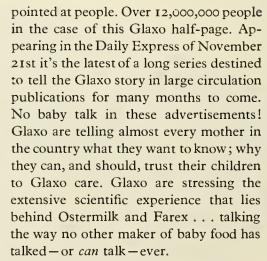
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Century House · Shaftesbury Avenue · London · W.C.2

(PB3091)



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VIEWS

Boots the Chemists, High St., BROMLEY, Kent.

'POT LUCK'

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	st. andrews, Fife.	LITTLE EATON, Nr. Derby.	ville, MANCHESTER, 21.
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250 Entries win Consolation Prizes of £5 each (Names and addresses of the winners sent on application)



I.C.C. Ltd. regret that correspondence relating to this competition cannot be entered into, nor can entries be returned.

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BALM

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Distributors: PHARMACEUTICAL SPLCIALITE

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LANIDETS'

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OZENGES

his new M&B preparation contains 1 mg. dibromopropamidine and 1 mg.

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Trade Mark

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High Wycombe · England

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	500	45/- each	30/- each
4 mg.	50	9/6 each	6/4 each
	500	85/6 each	57/- each
8 mg.	50	18/- each	12/- each
	500	162/- each	108/- each
Fentazin Injection			
5 mg. in 1 c.c.	5×1 c.c. amps.	6/- each	4/- each



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AH658



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ENGLATE

Trade Mark

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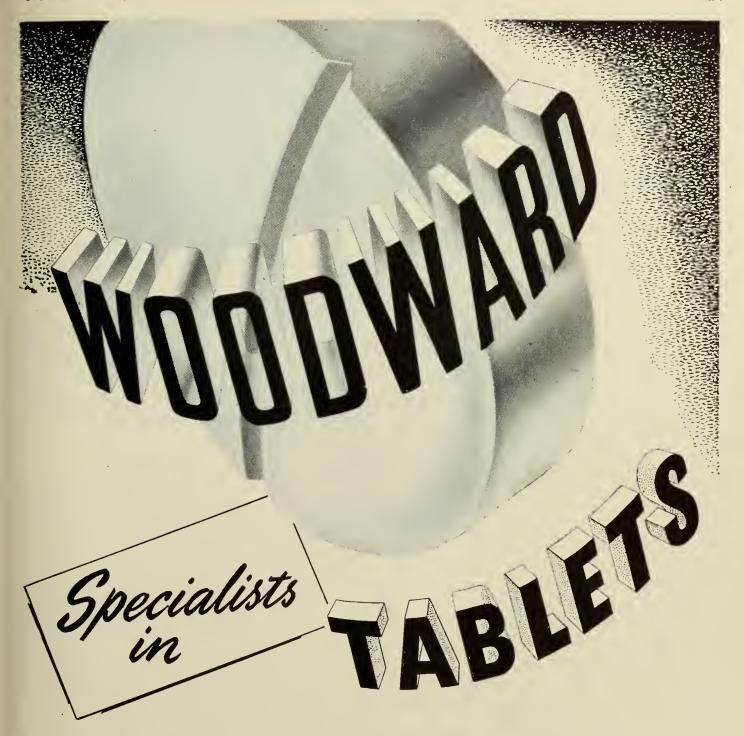
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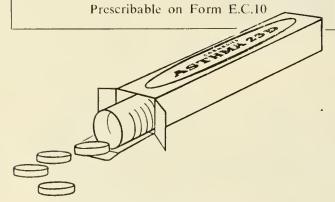
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Tubes of 30 Tablets

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Dispensing Pack

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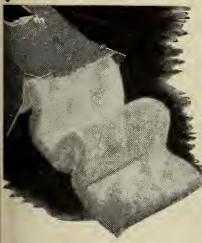
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THE CHEMIST

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 170

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November 15, 1958

No. 4108

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PUBLISHED BY

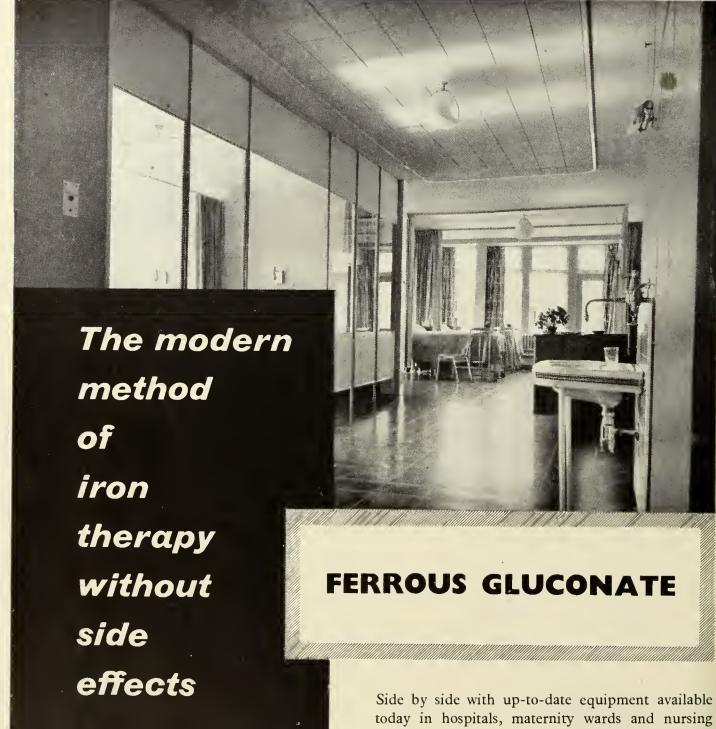
MORGAN BROTHERS (PUBLISHERS), LTD., at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565

Telegrams: Chemicus, Estrand, London

Branch Offices;
WOLVERHAMPTON: 89 Woodland Avenue, Tettenhall Wood.
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Volume 170

NOVEMBER 15, 1958

No. 4108

Patents and Trade Marks

U.K. SIGNS REVISED CONVENTIONS

A DIPLOMATIC conference in Lisbon which considered the revision of the Industrial Property Convention on Patents and Trade Marks closed on October 31 with the signing by a number of countries, including the United Kingdom, of a revised convention.

The convention is open for signature until April 30, 1959, and is subject to ratification. The revision includes a number of relatively small but useful improvements in the international machinery for protecting inventions and trade marks and for preventing the deception of the public by the use of false trade descriptions. The new convention also provides, after more than seventy years, that the business of the Union of States who belong to it, and that of its permanent Secretariat—including the latter's publications—shall be conducted in English as well as in French. A translation of the revised convention is to be presented to Parliament in the form of a White Paper.

'Misleading' Description

HOMŒOPATHIC FORMULA CRITICISED

THE Smethwick, Warwickshire, Health Committee is to request the Association of Municipal Corporations to ask the Ministry of Health for an amendment to the Pharmacy and Medicines Act, when it is next revised, to control the use of homœopathic symbols to desscribe formulas of preparations. The action follows the purchase by the public health inspector of a brand of nerve tonic tablets which were stated on the label to contain "3x" of each of five different minerals. The assistant public analyst stated that the normal purchaser would not appreciate the significance of the homœopathic designations and the fact that each active ingredient was present in minute amounts. He considered the description was "very misleading."

Broken Hearts Club?

A SALESMAN ON HIS CLIENTS

"IT is heartbreaking for a salesman to call on the average doctor," said Mr. H. J. Spriggs (Dalmas, Ltd., and chairman, Leicester branch of the Incorporated Sales Managers' Association), speaking on "The Approach to Salesmanship" at Hinckley, Leics, on November 4. Mr. Spriggs said that the hospital pharmacist was an easy person to see in comparison. A visit to a retail chemist often meant a session

of listening to the chemist's many woes. "At the end of the story, if you are good, you will get an order," he commented. Mr. Spriggs said that the salesman was like a surgcon except that he operated on minds instead of bodies. It was up to him to know the anatomy of the mind and to know what made his customer "tick." He must also make use of his instruments. As the surgeon used the scalpel so the salesman must make use of the instruments of smartness, good human relations, and knowledge of the product.

Pharmacy as a Career

BIRKENHEAD PHARMACISTS' EXHIBIT

FOUR local pharmacists (see below) were kept busy answering questions at a recent careers convention held in Birkenhead. The centre display piece of the pharmacy stand was provided by the Pharmaceutical Society. School-leavers from seventeen local schools and their parents were invited to attend, the total of about 7,000 persons

being divided into four groups, each group being allocated one of the evenings to attend. Queries from students, parents and teachers showed that a genuine interest in pharmacy was shown in most cases. The majority of school-leavers with good passes in their G.C.E. examinations were apparently more interested in research and industrial pharmacy, although no evening passed without at least one or two expressing a preference for retail. Birkenhead and Wirral Pharmacists' Association accepted responsibility for the pharmacy section, and, from the view expressed in a letter of thanks from the director of education to the Association, it appeared that the convention was most successful. This was the first such careers convention to be held in Birkenhead, and it has been unanimously agreed that it must become an annual event.

Industrial Health

FACTORY CHIEF INSPECTOR'S REPORT

THE first separate annual report on industrial health by the Chief Inspector of Factories, published on October 28. gives figures showing the incidence of industrial disease, poisoning and gassing in factories. In 1957 there were twelve cases of mercurial poisoning, against two in 1956. None were fatal, Cases of phosphorus poisoning declined from six non-fatal cases to three non-fatal in 1957. Cases of aniline poisoning declined from nineteen (one fatal) to six-



PHARMACY AS A CAREER: Three officers of Birkenhead and Wirral Pharmacists' Association with a colleague who were in charge of the pharmacy exhibit at a recent careers exhibition held in Birkenhead (see above). From left to right are Messrs, W. Tregenza (vice-president), A. Broadwell (president), K. Gisborne (chief pharmacist, Clatterbridge General Hospital, Wirral), and A. H. Dyson (social secretary).

teen (all non-fatal). The chief inspector says that, while a large part of the work connected with industrial health inevitably falls on the medical branch, a significant part of the work of both the general inspectorate and the other specialist branches is directly related to industrial health. The development of new exhaust devices for dealing with injurious dust and work in connection with hazards from ionising radiations are noted as examples of specialist pro-blems on which work has been done in recent years by the engineering and chemical branches. It is noted in the report that factory occupiers are not giving sufficient attention to arrangements for first-aid treatment in the factory, and measures to stimulate recruitment and training of first-aid personnel have been taken. The report contains separate sections on information available for 1957 about each notifiable in-dustrial disease and commenting on special features of the statistics. The remaining sections are devoted to gassing accidents, pneumoconiosis. dermatitis and the health of workers exposed to ionising radiations and to certain other recognised hazards to health. In the latter section are given the results of haematological investigations carried out by the medical branch of the factory inspectorate. Another chap-ter is devoted to the incidence and causes of industrial dermatitis and ways and means of preventing the disease.

Drummond Trust

NUTRITION RESEARCH FELLOWSHIP

THE managing trustees of the Drummond Trust are to consider, in March 1959, applications for a Drummond fellowship for research in nutrition. It may be a senior or a junior fellowship, depending on the qualifications of the person selected. The value of a scnior fellowship would be £1,100 per annum to which might be added a grant for expenses not exceeding £50 per annum, and in addition, up to 10 per cent. might be paid towards superannuation. A junior fellowship would be £500 per annum, to which may be added a grant for expenses not exceeding £75 per annum. The fellowship is normally tenable for two years. Full particulars are available from the honorary secretary. Drummond Trust, University College London, Gower Street, W.C.1. Completed application forms must be received not later than January 31,

Ethylene Manufacture

66-MILLION PROJECT INAUGURATED

A NEW major project by British Hydrocarbon Chemicals, Ltd., was inaugurated at Grangemouth by Mr. James Maclay (Secretary of State for Scotland), on October 17, when he started a mechanical pile driver which drove the first pile for a £6-million extension to the company's plant. Capacity for the production of olefins for the manufacture of petroleum chemicals by the company will be more than doubled by the installation of a third ethylene plant at Grangemouth, scheduled to be completed by the middle of 1960. The third plant will have a capacity greater than

that of the first and second units combined and will be the largest plant of its kind outside the United States. With the completion of the project and of the polyethylene and phenol plants now under construction, the total investment by British Hydrocarbon Chemicals, Ltd. (which was formed in 1947) will amount to over £30 millions.

Skin Grafting

RESEARCH PROGRESS AT HARWELL

"AT Harwell the Medical Research Council has mice growing the fur of rats, against all the rules of skin grafting," said Dr. B. F. J. Schonland (a director of one of the Atomic Energy Authority's research groups) opening a school at Swanage recently. It is understood that research at Harwell has shown that skin reactions encountered as a result of grafts from one species to another can be delayed by exposure to x-irradiation. though sloughing of the graft will eventually occur.

Dangerous Drugs

AN AUTHORITY WITHDRAWN

THE Home Secretary has withdrawn from Marcus Gershon Lucas, L.R.C.P., L.R.C.S., Dunedin, Stratford Road, Shirley, Warwickshire, authority to possess, supply, or give prescriptions for Dangerous Drugs.

IRISH BREVITIES

THE REPUBLIC

CORK Chemists' Social Committee are holding their second annual dinner-dance at Cork on December 10.

To mark the merging of Smith & Nephew (Ireland), Ltd., and Southalls of Ireland, Ltd., a party was held in Dublin on October 30 at which representatives of all sides of pharmacy were given an opportunity to meet members of the boards of directors of the amalgamated companies.

In accordance with a directive from the Irish Drug Association, pharmacies in Dublin and district remained closed until 2 p.m. on October 16 in tribute to the memory of the late Pope Pius XII. Pharmacists in other parts of the Republic also closed for the appropriate day of mourning in their respective dioceses.

MR. HUGH P. CORRIGAN attended his first public official function as president of the Pharmaceutical Society of Ireland when he was present recently at the Pro-Cathedral, Dublin, with other professional representatives, at the Solemn Votive High Mass on the occasion of the coronation of His Holiness Pope John XXIII.

THE NORTH

THE annual meeting of Ulster Chemists' Association is being held at 73 University Street, Belfast, at 7.45 p.m. on November 27.

ANOTHER lecture in a series on "Training in Cosmetics" by Dr. J. Martin Beare (dermatologist, Royal Victoria Hospital, Belfast) is being given at the lecture theatre, Institute for Clinical Science, Royal Victoria Hospital, at 8 p.m., on November 25.

NEWS IN BRIEF

A GRANT of £500 has been made by the Pharmaceutical Society to the School of Pharmacy. Robert Gordon's Technical College. Aberdeen.

THE title of the National Association for the Prevention of Tuberculosis has been changed to the Chest and Heart Association.

IN a daylight raid on the shop of Mr. Lionel Sheldon, M.P.S., 511 Lord Street, Southport, recently, property worth about £1,000, mostly cameras, was stolen.

SALES of Leicester Co-operative Chemists, Ltd., totalled £76,764 during the half year ended September 11. an increase of £2,950 over the corresponding period of last year.

THE British Productivity Council has been appointed to represent the United Kingdom on the management of the European Organisation for Quality Control, a body set up in Rotterdam by the European Productivity Agency.

A SAFE weighing about 10 cwt., containing £80 and nearly 300 prescriptions was stolen from the pharmacy of Mr. J. B. H. Smith, M.P.S., 297 Dalmarnock Road, Glasgow, on October 24. The thieves also took eight cameras and two electric shavers.

London Executive Council is recommending the censure of a firm of chemists and the withholding of £5 5s. from the firm's remuneration for supplying hospital-quality absorbent cotton wool when absorbent cotton wool had been prescribed.

CANDIDATES for entry to the School of Pharmacy, University of London, in October 1959, must submit their applications not later than January 31, 1959. Applications received after that date will be considered only in special circumstances.

BRITISH Standard B.S. 2929 (safety colours for use in industry) is being amended. The location of first-aid equipment should now be indicated by the use of the words "First Aid" printed in bold white capital letters on a green rectangular background.

New regulations (S.I. 1958, No. 1792) have been published amending the provisions concerning the appointment and term of office of members of regional hospital boards, hospital management committees and boards of governors of teaching hospitals.

A RECENT addition to the British Museum (Natural History) series of booklets is entitled: "Fleas, Their Medical and Veterinary Importance" (H.M. Stationery Office, 2s.). It is a twenty-page booklet dealing with the external structure of fleas and their life history; fleas which cause annoyance by the direct results of bloodsucking, and fleas as transmitters of organisms from host to host.

SPORT

Golf.—LIVERPOOL CHEMISES GOLFING SOCIETY, at Widnes, recently, Hough Hoseason prize, N. Quayle (15), 73; I.C.I. prize, Dr. Campbell (22), 72; Johnson & Johnson prize, Dr. Joseph (9), 77; Cow & Gate cup, G. Vaggers (22), 75; Griffiths Hughes prize, G. W. Woodhead (16), 69.

OVERSEAS NEWS

WEST GERMANY

New Influenza Vaccine

A NEW influenza vaccine recently put on to the West German market and possibly soon to be offered for export is said to have an effective period of one year from injection and to be particularly suitable for aged or delicate people or for those with heart ailments. The vaccine, which goes under the name of "Influenza-Virus-Adsorbat-Impfstoff Asta," is a development of the Berlin Robert Koch Institute collaborating with a manufacturer.

New Pharmaceutical Legislation

THE West German Ministry of Health is putting before the legislature a Bill to regulate the production and sale of pharmaceutical products. The main regulation to be embodied in the Bill is that Government consent will now have to be sought before a manufacturing business starts operating. Premises inspection, a necessary preliminary, will thereafter be repeated at least once a year by local authorities. Fines and prison sentences are to be imposed for the manufacture of pharmaceutical products injurious to health, or in a spoilt, tainted or adulterated dition, as well as for their dition, sale. Sale of products not approved by the Ministry can be forbidden and stocks confiscated. All products will, in future, have a description of contents and be registered with the Ministry. Sales of pharmaceuticals in chemists' shops will be in no way cut, but no other shop will in the future be allowed to sell healing or palliative remedies except with Government permission. Itinerant salesmen will be disallowed.

UNITED STATES

Aspirin for the Grocers

ASPIRIN is a "patent" medicine, even though the patents have long since expired, and as such it can be sold in grocery shops and other places of business without pharmacists' supervision. So ruled municipal court judge Harry L. Walker of the District of Columbia court in an interpretation of the D.C. pharmacy law. Because many States have laws similar to that of the District regulating the sales of drugs outside the drug stores, the ruling is believed to have national implications. The ruling could, it was pointed out, lead to enforcement policy changes on a widespread scale and open the door for new retail outlets of the aspirin manufacturers. The D.C. pharmacy law forbids drug sales by persons other than registered pharmacists, but makes "patent" medicines an exception to the rule. On the advice of the Board of Pharmacy, however, the Corporation Counsel's office has long held that aspirin is not an exempt product. Judge Walker said it was common knowledge that clerks in pharmacies sold aspirin tablets without any real or immediate supervision by a licensed pharmacist, while grocery stores were permitted by the Board of Pharmacy to stock and sell pre-packaged "home" remedies many containing aspirin.

TOPICAL REFLECTIONS

By Xrayser

Self-interest

We have heard much in recent years of something vaguely described as "enlightened self-interest." Depending on the elasticity of one's conscience, the expression could be used to justify quite a wide range of activities in the world of commerce. In its best sense I should have thought that the expression could most fittingly have been applied to the Chemists Federation. A little over twenty years ago, alarmed at the outlets of what had hitherto been regarded as, traditionally, pharmaceutical goods, it was decided to adopt the attitude expressed by Benjamin Franklin in his historic: "We must all hang together, or assuredly we shall all hang separately." To the extent—the somewhat limited extent that the scheme appealed to manufacturers, it could be accounted a success, and it is a compliment to its general objective that, under the terms laid down by the Act, the Court could do no other than find the policy one of restrictive practices. That is small consolation, as you point out in your leading article on p. 501, to its sponsors. But the restrictions imposed were such as to limit its appeal to manufacturers, and it was hardly to be expected that the big financial interests of the "patent' medicine industry, whose unrestricted policy was the direct cause of the birth of C.F., would rally to a movement that narrowed their channels of distribution. Enlightened self-interest for them lay in ever-increasing sales and ever-increasing points of sale. The case put forward by the Federation, in so far as it dealt with possible injury to the public, was rejected by the Court. The question of positive good, as opposed to positive injury, did not arise and would appear, in an enlightened society, to be a matter for a different inquiry. There is nothing restricted in a situation that permits of advertisements for proprietary medicines on hoardings and railways, in buses, trams, magazines and newspapers, "encouraging us to diagnose our troubles for ourselves, and to treat them with some advertised nostrum" (Linstead: "Patent Medicines—An Indictment").

Inconvenience

One of the points raised in the judgment delivered by Mr. Justice Devlin in the matter of the restrictive policy of the Chemists Federation was that inconvenience was inevitably caused to the public generally by not being able to buy the commodities it wanted from any retailer who was willing to sell them. That is undeniable. And on the principle of "sauce for the goose," it might be thought that there is no end to the possibilities thus opened up. I may be willing to sell motor cars, and the public might find it convenient if I did. Similarly, it might save considerable inconvenience to that member of the populace who wanted a collarstud if the fishmonger at the end of the street were willing to sell it. The pharmacist might sell fish—if he were willing to—but it would be unwise to count on his willingness. Other considerations would effectively prevent his selling beer, for a licence would be a prerequisite. But there is nothing in law to prevent the publican providing for the alcoholic headache by selling over the same counter a headache remedy. Surely nothing could be more convenient than that. But law is a difficult, not to say dangerous, field for the layman to browse in, and I have no doubt that any legal mind could find the flaws in my reasoning.

Future Policy

In your admirable summing-up of the C.F. judgment, you make the most valuable comment that "the time may have come to refuse to stock any product that does not satisfy the professional conscience of the pharmacist." The present may, in view of changed circumstances, afford an excellent opportunity, for individual reappraisal. In a paragraph dealing with professional responsibility a week or two ago, space did not permit of my quoting Francis Bacon, who wrote: "I hold every man a debtor to his profession; from the which as men of course do seek to receive countenance and profit, so ought they of duty to endeavour themselves by way of amends to be a help and ornament thereunto."

BRANCH AND ASSOCIATION EVENTS

FINCHLEY

Supper Dance

FINCHLEY Branch of the Pharmaceutical Society held its annual supperdance in North Finchley on October 23. The dances included modern and old-time dances, novelties, American dances and Scottish reels, supplemented by a rock 'n' roll challenge and songs by Mr. Gordon Farrell.

ABERDEEN

Retail Pharmacy's Crises

A RECORD attendance at the opening meeting of the session of Aberdeen and North-eastern Scottish Branch of the Pharmaceutical Society, held in Aberdeen on October 7, heard Mr. D. W. Hudson (the Society's president) speak on "Retail Pharmacy — its Problems and its Future." Mr. Hudson described how, during the past forty-five years, in spite of dismal warnings, the profession had weathered one crisis after another; how, in 1911, the National Health Bill had been looked upon as the death knell of professional pharmacy; in the 1920's, depression and unemployment brought "cut-throat" competition brought amongst wholesalers and retailers; the 1939-45 war brought supply and distribution problems and shortages of staff; and finally in 1948 arrived the National Health Service and all that that entailed. Mr. Hudson went on to examine the figures of pharmacists' remuneration under the National Health Service for the years 1955-57, and proved that the average retail pharmacist, to enjoy an adequate living, in addition to dispensing had to develop his business along certain recognised commercial lines. Photographic, perfumery and toilet preparations, surgical instruments, scientific apparatus, and in rural areas, horticultural and veter-inary preparations were all generally acclaimed as traditional business, but with the introduction of other lines there was a likelihood of the pharmacist being looked upon as a tradesman. Concluding, Mr. Hudson said: "As to the future—it is unforsceable, but although the Society may be able to guide, it is up to each individual pharmacist when he reaches the crossroads, to follow the road best suited to his own particular area, needs and personal aptitude.'

HARROW

Credit for Back-room Boys

MUCH of the credit for the nation's better health was claimed too often by the Ministry of Health and perhaps by doctors, while it was the "backroom boys" who discovered the drugs: the chemists who developed them; and those that "get them across" should receive more mention, said the medical officer of health for Harrow (Dr. Caryl Thomas), at the annual dinner and dance of the Harrow Branch of the Pharmaceutical Society on November 5. Dr. Thomas was proposing the toast "The Pharmaceutical Society" to which the president of the Pharmaceutical Society (Mr. D. W. Hudson) replied, Mr. Hudson spoke of the plea-

sure it had given him to be the president at the time that the Society purchased its premises. The Society intended to press on with improvements to the property so that, when completed, members would have better facilities for meetings, and come to look upon the premises as their own house. At the same time the Society intended to build up its own collection of silver. The branch chairman (MR. G. W. HORSLEY), in proposing the toast "The Guests and Ladies," read an abstract from the daily Press of fifty years ago, part of which was:

"As a profession for the right class of women pharmacy has many inducements. It is particularly interesting work and it is not badly paid. The lowest pay for beginners is about £90 a year and may be as high as £180 for fully qualified chemists."

"The ladies have indeed gone a long way since then," concluded Mr. Horsley. Replying, Mrs. H. Noble said she was glad the chairman acknowledged the achievements of women. She also commented on the fact that both the chairman and the president had received the distinction of being called to a second year of office.

GLASGOW

Pointers for Students

Many students from the Royal College of Technology attended the inaugural meeting of the session of Glasgow and West of Scotland Branch of the Pharmaceutical Society held in Glasgow on October 8 at which prizes were presented. Mr. R. B. Birrell (Branch chairman) presided. Also present were the resident secretary for Scotland of the Society (Dr. G. H. Macmorran) and Mr. A. J. Plowright (assistant secretary of the Society). Mr. D. W. Hudson (president of the Society) gave a talk or "The Importance of Changes in the on "The Importance of Changes in the Pharmaceutics Syllabus to the General Practice of Pharmacy." The president explained why the Society's Council had made the changes, particularly those in the final year, interpreting what the Council had in mind when walking them. He stressed in particular making them. He stressed in particular that students should be familiar with organisations connected with pharmacy and that their functions should be thoroughly understood. Similarly local committees should be known and also the liaison between pharmaceutical and medical professions. Pharmacy and poisons legislation should be understood, together with Dangerous Drugs regulations, the Therapeutic Substances Act. regulations governing the sale of wines and spirits, sale of abortificants, weights and measures regulations, etc. He urged everyone to study the list of appliances set out in the Drug Tariff. It was also "absolutely necessary" that students should have instruction in the sorting prescriptions. Before Mr. Hudson of prescriptions. Before Mr. Hudson delivered his address, he presented to students of the Royal College of Science and Technology, Glasgow, awards for session 1957–58. The following were the awards: James Taylor prizes, first-year degree, Miss Anne S. Morrison: second year degree Mr. C. B. son; second year degree, Mr. C. B.

Macfarlane; third-year degree, Mr. J. R. C. Baird; first-year Ph.C., Mr. G. D. Rillie. Evans pharmaceutical prize, Miss Elizabeth J. Graham. Boots' dispensing prizes, third-year degree, Mr. A. R. Murray; first-year Ph.C.. Mr. George D. Rillie. Branch prize, Miss Margaret M. Richardson who graduated with first-class honours.

REIGATE AND REDHILL

A Policy with Future Dividends

A CAPACITY crowd attended the annual dinner and dance of the Reigate and Redhill Association and Branch, held at Coulsdon on October 22. Among those present were the mayor and mayoress of Reigate (Alderman and Mrs. George Searle) and Miss Searle and Mr. H. S. Grainger (a member of the Society's Council). Mr. F. Connelly (president of the local Branch) and his wife received the guests. Following the loyal toast, MR. CONNELLY, proposing "The Pharmaceutical Society" and "The Visitors," thanked the Branch and din-ner committee for all the hard work they had done to ensure the success of the evening; Mr. Trevor Powell (secretary) for his hard work, and Mr. Stonnard (treasurer), who had done much to keep the Branch "on an even keel." It gave him great pleasure to invite Mr. Grainger to be their guest of honour for he had always been impressed with the way Mr. Grainger expressed, and gave reasons for, his views. He had done wonderful work through the hospital services in both Leeds and Birmingham and was now chief pharmacist at Westminster Hospital. He had also been active in public service; but his most valuable work had been in the international field. He had been secretary of the hospital section of the International Pharmaceutical Federation and a member of the Franco-British Commission. He was a member of the Society's Education Committee and the Public Service and Action Committees, Replying, Mr. GRAINGER said that the most important thing that had happened recently was the purchase of the Society's house in Bloomsbury Square, London. The whole interior was being renovated and in a short time, it was hoped, the house would be a credit to the Society. Recently, the Society had introduced a new education policy as a result of which, he believed, the profession of pharmacist would draw more recruits. The value of that policy would be seen in a few years' time. As to the complaint that money spent on medicines was wasteful or extravagant, he could see where economies could be justified other than on the pharmacist. THE MAYOR, who responded for the visitors, said he was sure there was much for pharmacists to discuss for they had been much in the news. For his part, pharmacy, large or small, would continue to earn and deserve public confidence and support, seeing that it was staffed with knowledge and understanding of what was sold, and its purpose. It had the atmosphere of efficiency and quiet assurance and care for the individual.



WORK STUDY IN RETAILING

A conference discusses its applications

THE application of work study methods in retailing were outlined by speakers at a conference on "Efficient Retailing" held in Luton on October 21. Over 120 delegates attended the conference, which was organised by Luton Productivity Association in conjunction with Luton Chamber of Trade.

MR. G. H. SIMMONS (chief work study officer of the Council) described work study as a measure of efficiency. Various techniques, he said, had been proved successful in industry. Retailing was an important industry, directly employing more than 2,000,000 people. were more than 500,000 retail establishments and well over 330,000 of them were one-man shops. The Council believed it had something to offer those one-man shops. Application of method study—"the objective and critical evaluation of existing and pro-posed methods of working and the development of improvements based on that evaluation "—offered a simple and logical method of improving efficiency. In shops employing more than one person, the confidence of the staff was essential to ensure that any new method of working was successful. That confidence could only be won by informing employees at the outset what the purpose of the examination was.

MR. R. G. MAGNUS-HANNAFORD (principal, College for the Distributive frades) said that merely to introduce the idea of work study to the retailer, without giving a clear idea of its scope and limitations would be doing him disservice. It would only set back the progress of work study. The retailer needed information on the subject. National and local trades associations should make themselves responsible for

disseminating that information.

Retailers tended to think of work study as "more output from more input" and would therefore tend primarily to apply work study to the sales floor. In doing so they might be overlooking the use of work study as a means of maintaining output at less cost. There could be little doubt that the emphasis in the application of work study in retailing would be on shop layout. Traditional methods seemed almost designed to keep promethods ducts out of sight of the customer.

Mr. J. Butterworth (a lecturer at Manchester College of Science and Technology) asked what were the criwhich the retailer could measure the effectiveness of work study applications, and how long the retailer might expect to wait for the various types of improvements to show themsclves. Mr. SIMMONS said that there were three criteria: Stock control; eost eontrol; and labour turnover. Unfortunately not all retailers used a system of cost control. So far as labour was concerned, a retailer could generally assume that, if he was retaining his staff and they were interested in the job, application of the method was successful. He was unable to say how long it would take for the results to show. Mr. Magnus-Hannaford said that retailers would want another measurable factor. They would want to check sales volume after the application of work study against volume for the previous month or corresponding period of the previous year. They would want to check those figures as to the number and value of the transactions.

A BOOKLET ON THE TECHNICAL PRESS

First collective propaganda literature

THE technical and trade Press of Great Britain has a history of more than two



Cover of booklet

centuries and is unrivalled throughout the world in its scope, quality of production and excellence of content. Although its various products have become an integral part of all the other industries thev serve the periodical Press is in itself an industry

that ean continue to expand, especially in export markets, serving potential buyers overseas as it promotes the interests of industries at home. As one means of achieving that objective a booklet "Business and Specialised booklet "Business and Specialised Publications of Great Britain" has been published by the council of the Trade and Technical Press giving brief details of journals published by its members. It includes weekly, fortnightly, monthly and quarterly publications in alphabetical sequence, together with

details of directories, year-books and annual publications. And what an enormous range they cover! In one respect the booklet fails to give a true pic-ture. In the interests of equity the illustrations of front covers of the periodicals have been subjected to a Procrustean rack that makes it impossible to distinguish the foolscap giant from the miniature that slips into the pocket. While the tidiness resulting from that policy is obvious and pleasing, it might be helpful in a future edition to include, for the benefit of the reader who is making his first acquaintance of a particular publication, a note of the page size and perhaps of the average number of pages of literary contents. The booklet should undoubtedly promote the purpose of widening the effective use of recorded knowledge, Production of such a booklet is naturally an expense that demands a certain diserimination in the distribution of eopies. With the reservation that applicants should at least give a hint of the reason for their interest, it may be mentioned that eopies are to be had from the Council of the Trade and Technical Press, Imperial House, Kingsway, London, W.C.2.

NEW COMPANIES

P.C. = Private Company: R.O. = Registered Office

DERRYS (CHEMISTS), (P.C.).-Capital £100. To carry on the business of manufacturers of dealers in chemicals, gases, drugs, medicines, etc. Directors: Herbert N. cines, etc. Directors: Herbert N. Derry and Joan W. Derry, 40 High Street, Walton-on-Naze, Essex.

DAVES (SURREY), LTD. (P.C.).—Capital £100. To carry on the business of dealers in combs, razors, toilet requisites and chemists' sundries of all kinds, etc. Directors: David Dale and Bettine M. Dale, R.O.: 70 Heath Road, Twickenham, Middlesex.

DAVID (CHEMISTS), LTD. (P.C.).

—Capital £2,000. To carry on the business of wholesale or retail chemists, etc. Subscribers: Goldie David and Leo David, M.P.S., 70 Regents Park Road, London, N.3. The first directors are to be appointed by the subscribers.

ROSALIE PHIPPS, LTD. (P.C.).—Registered in Dublin. Capital £500. To carry on the business of hairdressers, chemists, etc. Subscribers: Maquire and Patricia Harnett, 24 Dame Street, Dublin. The first directors are not named.

J. A. PEILE (CHEMISTS), LTD. (P.C.).—Capital £5,250. To carry on the business of manufacturing and general chemists, etc. Directors: Alexander Innes, M.P.S., and Muriel E. Innes (directors, Brand & Innes, Ltd.) and Paul Addison. R.O.: Highfield, Chiltern chemists, etc. Directors: Hills, Chalfont St. Peter, Bucks.

CONTINENTAL LTD. (P.C.).-Capital £1,000. To carry on the business of importers, exporters, and dealers in perfumes, scents, etc. Henry E. Marsac is the first director. Solicitors: Arthur Taylor & Co., 5 Ar 5 Arundel Street, London, W.C.2.

G. WYN JONES & CO., LTD. (P.C.).—Capital £500. To carry on the business of chemists, druggists and librarians, etc. Directors: John R. Jones, Elizabeth M. Jones and Glenys R. W. Jones, James J. Findlay (director, John Keall, Ltd.). R.O.: 37 Belsize Lane, London, N.W.3.

ADHESIVE TAPES (IRELAND), LTD. (P.C.).—Registered in Dublin. Capital £72,000. To manufacture and deal in all kinds of adhesive or coated materials, etc. Subscribers: Roger A. Warner, 31 Castle Street, Dublin, and Peter D. M. Prenticc. The first directors are not named.

RICHMOND CHEMICALS, LTD. (P.C.).—Capital £5,000. To carry on the business of chemical manufacturers to the hairdressing trade, chemists' and druggists' sundriesmen, chemical manufacturers, etc. Directors: Charles B. Featherstone, Lillian Featherstone. R.O.: 195A Burnage Lane, Manehester,

CHEMISTS HOLDINGS (LONDON), LTD. (P.C.).—Capital £100. To earry on the business of a holding and investment company, etc. Directors: John N. Hartley, M.P.S., Philip R. Hartley and John W. Rawstron, M.P.S. (all directors of Hill-Smith (Warrington), Ltd., etc.). R.O.: Spring Bank Works, Nclson.

"NOT SUFFICIENT STEPS TO VERIFY"

Seven Bournemouth pharmacists on D.D. prescription charges

AT Bournemouth magistrates' court, on November 12, the hearing opened of a case in which six pharmacists in business in Bournemouth and district were charged with offences under the Dangerous Drugs and Regulations. phrasing of the charge was the same for each defendant, namely that "At each defendant, namely that "At Bournemouth on . . . you did supply a drug or preparation, namely . . . on a prescription, you not being acquainted with the signature of the person by whom it purports to be given and not having taken reasonably sufficient steps to satisfy yourself that it was genuine. Contrary to Regulation 15 (1) (B) of the Dangerous Drugs Regulations, 1953, and Sections 3 and 9 and subsection (3) of Section 10 of the Dangerous Drugs Act, 1951, Application Order, 1952, made under the said subsection (3)." The six pharmacists were Morris Swerling, Flat 6, Tristworthy, Bournemouth; Anthony C. D. C. Hannah, 9 Mount Road, Parkstone, W. G. Taylor, 29 Princes and Parkstone, Poole; John R. Phillips, 2 Poole Hill, Bournemouth; Phyllis E. Tompkins, 105 West Way, Bournemouth; Wilfred Harris, 6 Al-bert Road, Bournemouth; and William L. Storr, 94 Brierly Road, Northbourne. The charge against Mr. Storr was withdrawn on the ground that the evidence was negative. Mr. W. Philip Evans, solicitor, appeared for the prosecution, and Mr. D. P. Croom-Johnson, Q.C., for the defence. The detailed charge against Mr. Swerling was of supplying Physeptone on May 12, and it arose, like the others from investigations into the source from which an addict had obtained supplies. Prosecuting solicitor said the cases sprang from carelessness rather than intent, and though the prescription had been forged there was

little on it to justify Mr. Swerling in assuming that it was forged. The prescription received by Mr. Swerling was reputed signed by a Dr. Rourke, 133 Kensington Church Street, London, W.8, and was made out to a Mrs. Isaacs, Lindsey Manor, Bournemouth. A woman police-sergeant said in evidence that in a check of Swerling's register she had noted a prescription from a doctor in London and had asked if Mr. Swerling knew the signature. His answer had been "No." When asked if he had taken steps to verify the signature his answer had again been "No." but that an assistant and himself both knew Mrs. Isaacs as a customer. Swerling also said, in answer to a question, that he did not possess a copy of the medical directory.

Dr. Saunders, Bournemouth, brought in as a prosecution witness, after giving evidence of the Dangerous Drugs category of the drug named in the charge, said that Physeptone was not a product that would cause as much addiction as morphine and it was thereforc less likely that a prescription for Physeptone would be suspect. He admitted he would himself have assumed that it was a reasonable prescription, and if he had been busy would probably have "made the same mistake" of not verifying the name in the medical register or directory.

At the time of going to press full details of the later proceedings had not come through, but the results were known. Miss Tompkins was found "Not guilty" and discharged. Verdicts of "Guilty" were pronounced on Mcssrs. Swerling, Hannah, Taylor, Phillips and Harris, Each was fined £5 and ordered to pay £4 4s. advocate's fee and £1 5s. witnesses' fee.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

ON November 5 MR. E. MARPLES (Postmaster-General) in a written answer to a question by MR. NESS EDWARDS stated that subliminal advertising was contrary to certain regulations of the Television Act. On the next day MR. J. T. STONEHOUSE asked if the President of the Board of Trade would ban the use of subliminal techniques in advertising. SIR DAVID ECCLES (President, Board of Trade) replied that the technique could be used in cinemas where it would be subject to the local licensing authority.

Mobile Shops

MR. W. J. OWEN asked the Home Secretary on November 4 if he was aware of the recent decision of Lord Goddard, in which it was affirmed that mobile shops trading on Sundays and statutory half-days did not come within the Shops Act, 1950, and, as that could develop into unfair competition for ordinary shopkeepers, if he would make a statement of policy.

make a statement of policy.

MR. R. A. BUTLER: I can hold out no prospect of Government legislation on this subject at present.

Weights and Measures

SIR F. MEDLICOTT asked the President of the Board of Trade on November 6 what further implementation of the recommendations of the Hodgson Committee on Weights and Measures was proposed for the present Session. MR. RODGERS (Parliamentary Secretary) replied that many trade and consumer organisations had been consulted, and a Weights and Measures Bill would be introduced so soon as Parliamentary time permitted. The President intended to make regulations to deal with part of the field.

Grants For National Research

The Developments of Inventions Bill printed on November 5, enables the Board of Trade to make advances up to £10 millions to the National Research Development Corporation for a period of twenty years from the establishment of the Corporation.

Doctors' Pay (Royal Commission)

MR. DEREK WALKER-SMITH (Minister of Health) said on November 10 that the Royal Commission on doctors' pay

was still taking evidence. Its report was

cxpected next summer.

On November 5 The General Medical Council Disciplinary Committee (Procedure) Rules Order of Council, 1958, was laid before Parliament and came into operation on November 6, giving details of the procedure in connection with the removal of medical practitioners from the medical register.

COMPANY NEWS

Last year's figures in parentheses

BARFOS, LTD.—Messrs. R. C. Webster and J. G. Vaughan have joined the board.

SMITH KLINE & FRENCH LAB-ORATORIES, LTD.—Colonel Tufton V. H. Beamish, M.C., M.P., has been appointed to the board.

SOUTH AFRICAN DRUGGISTS, LTD.—Mr. John S. Sive, M.P.S.(S.A.), joint managing director and Mr. Charles Solan (managing director, B. P. Davis, Ltd., a subsidiary of S.A. Druggists, Ltd.), have resigned.

SOLARTRON ELECTRONIC GROUP, LTD., Thames Ditton, Surrey, England, are in the course of forming an overseas subsidiary in Sweden with headquarters in Stockholm. It will be managed by Mr. Kurt P. Källgren, who joined the group on November 1.

SAVORY & MOORE, LTD. — Ordinary dividend is being maintained at 15 per cent. for the year ended March 31. Group trading profits, after deducting loss, including minority interests and before tax were £198,932 (against £184,388). Deducting minority interests and tax of £114,388 (£103,338), net profits worked out to £84,544 (£81,050).

BEECHAM GROUP, LTD.—Total sales of the group, including one month's trading of Thomas & Evans, Ltd., advanced to £18,745,000 in the six months to September 30 (from £16,102,000 in the corresponding period a year ago). The group net profit is up from £1,396,000 to £1,463,000. Sales for half-year to March 31 were £18,051,000.

WILLOWS FRANCIS, LTD. — Net profit for year to June 30 is £26,805 (£34,082). To general reserve, £20,000 (same); forward £36,644 (£32,669); current assets, £238,716 (£236,960) and liabilities, £86,160 (£107,246). Reserves and surplus are £126,144 (£103,669), including future tax £29,500 (£31,000). Ordinary dividend for year is 15 per cent. (17½ per cent.). The statement by the chairman (Mr. A. W. Cornforth) mentions that competitive conditions coupled with rising costs inevitably affected profits but a vigorous sales policy enabled the company to sometimes increase the volume of sales of its branded specialities.

MELLIN'S FOOD, LTD., and ASCOTTS, LTD.—Mellin's Food, Ltd., has agreed to purchase over 99 per cent. of the issued Ordinary and 7,095 of the 7 per cent. Cumulative Preference units of Ascotts, Ltd. Mellin's also proposes to make an offer to acquire the remaining 92,905 Preference units of Ascotts in exchange for 10 per cent. Cumulative Preference 5s. shares in Mellin's. Necessary consents of the C.I.C.

have been obtained.

FISONS, LTD.—Sir Clavering Fison (chairman), in the eourse of his review of the company's trading during the year ended June 30, states that the trading results of the chemical division as a whole showed a profit. although not a large one. Fisons Pest Control, Ltd., showed a substantial trading loss, due to intensified competition overseas and the need at home to reduce prices in order to maintain the volume of business. The profits of Genatosan, Ltd., were affected by the rise in promotional costs common to the proprietary pharmaceutical industry, particularly as they were not able to offset those costs by higher volume or reduced manufacturing costs. During the year it was decided that the prospects for Whiffens pharmaceutical chemical business did not justify further efforts to improve the position and the original Fulham works and the business of Whiffen & Sons, Ltd., eoncentrated at Loughborough, were closed down. In its reconstituted form the Whiffen unit is considerably smaller but is a much more compact business and capable of almost unlimited expansion. The turnover of Fisons Chemicals (Export), Ltd., again showed a substantial increase and was the largest ever achieved, some of the largest increases oecurring in the dollar account countries. The effectiveness of the reorganisation, the chairman says, can be judged from the fact that in the first quarter of the new financial year, in spite of the general recession in the chemical industry, sales have reached an all-time record by a wide margin and the profitability of the division has eorrespondingly improved.

BUSINESS CHANGES

MR. J. B. CRONIN, L.P.S.I., has opened a pharmacy at 28 St. Gabriel's Road. Clontarf, Dublin.

MISS M. DOHERTY, M.P.S.I., has opened a pharmacy at Carndonagh, co. Donegal, Eire.

MR. N. CROSSAN, M.P.S.1., has opened a pharmacy in Port Road, Letterkenny, eo. Donegal, Eire.

MR. P. DELANEY, M.P.S.I., has taken over his sister's pharmacy at Johnstown, co. Wexford. Eire.

PFIZER, LTD., 137 Sandgate Road, Folkestone, have established a separate division to market products manufactured and distributed in Britain for C. H. Boehringer Sohn, Ingelheim-on-Rhine, Germany, General manager of the division is Mr. W. R. Miller, who joined the company in 1952.

VICK CHEMICAL CO., Greensboro, North Carolina. — Mr. Smith Richardson, jun. (president) said, on November 6, that his company had purchased for cash about 97 per cent. of the 391,922 outstanding shares of Milton Antiseptic, Ltd.'s ordinary stock (see C. & D., October 11, p. 386). No purchase price was announced.

Appointments

BAYER PRODUCTS, LTD.. Eden Street. Kingston-on-Thames. Surrey, have appointed Mr. G. Teeling-Smith, M.P.S.. their deputy sales manager.

PULLIN OPTICAL CO., LTD., 93
New Cavendish Street, London, W.1,
announce that Mr. Frank Ford, who
has represented the company's interests
in the London. Metropolitan and adjacent areas, has decided to retire from
active selling and in consequence various territory changes have taken place.
Mr. C. R. Whiting is being withdrawn
from the following counties: Norfolk,
Suffolk, Huntingdonshire, Hertfordshire and Cambridgeshire, but will
cover Surrey in addition to his remaining territories. Mr. F. Weeks is to represent the company in the Greater
London area, Cambridgeshire, Essex,
Hertfordshire, Huntingdonshire, Kent,
Middlesex, Norfolk and Suffolk.

OVERSEAS VISITS

MR. W. E. PAGE (managing director, Bengué & Co., Ltd.) is leaving England at the end of November for an extended tour of South Africa, the Rhodesias, Mozambique, Kenya. Tanganyika, etc., where he will be visiting the company's agents and representatives. Mr. Page expects to be back in England by mid-Mareh.

BIRTHS

HOLMES.—At The Knoll. Duns, Berwicks, on November 1, to Isabella, wife of Alexander J. Holmes, M.P.S., Medical Hall, Greenlaw, Berwicks, a daughter.

DEATHS

ELLWOOD.—At his home, The Lindens, Perseverance Road, Leominster, recently, Mr. William M. Ellwood, aged ninety. Mr. Ellwood, who qualified as a chemist and druggist in 1889. had lived in Leominster since the age of three and entered his father's business when he was thirteen as an apprentice. Later he went to London and Paris to study and continue his career. On returning to England, Mr. Ellwood assisted his father in his pharmaey and on his death in 1914 took over the business. He was a past Master of the Royal Edward Lodge of Freemasons and was a member of the Ludlow Lodge and the Provincial Grand Lodge at Hereford.

HADDEN.—In Belfast, recently, Mr. George Henry Hadden, 60 Lisburn Road, Belfast, Mr. Hadden qualified in 1905 in Dublin, where he carried on business for many years, returning to the North in 1937. He went on to the Northern register in 1926.

HOBBS.—On October 14, Mr. William Edward Hobbs, M.P.S., 5 The Greenlands, 80 West End Green Road, Hayes, Middlesex, aged fifty-seven.

KELSO.—On November 4, Mr. Robert Bruce Kelso, M.P.S., 24 Green-law Avenue, Paisley, Mr. Kelso qualified in 1929.

McDOWELL.—In a fire at his home in Main Street, Beragh, co. Tyrone, Northern Ireland, on November 6, Mr. Hamilton McDowell, aged ninety-five. Mr. McDowell qualified as a registered druggist in Dublin in 1905, and carried on business for many years in Beragh. Some years ago his business was taken over by Mr. William C. Magce. M.P.S.N.I.

MUSCHAMP.—On October 26, Mr. James Herbert Muschamp, M.P.S., 92 Telford Street, Holderness Road, Hull, Yorks, aged sixty-six.

STEWART.—On November 2, Mr. Hawthorn Stewart, M.P.S., 17 Greenlaw Avenue, Paisley. Mr. Stewart qualified in 1918.

VERNON. — At Doncaster Infirmary, on November 3, Mr. Colin Vernon. M.P.S.. 129 Bennetthorpe, Doncaster. Mr. Vernon qualified in 1920.

WITZ.—On November 3, Mr. Donald Frederick Witz, F.P.S., 29 Arundel Gardens, Winchmore Hill, London,

N.21, aged thirty-four.

Dr. H. Davis (Chief Pharmacist, Ministry of Health) writes: Mr. Witz joined the pharmaceutical section of the Ministry of Health in 1952, bringing with him a retail experience of four-and-a-half-years of National Health Service dispensing. He immediately adapted himself to his new rôle of advising on that branch of the service. His ealm and gentle personality soon endeared him to all his colleagues. In his quiet but firm way he contributed to many discussions in the Department and between the Department and the Chemist-Contractors, to whom he was well known. A great lover of music, he soon imbued some of his colleagues with his own enthusiasm for hi-fi reeordings. Two years ago he showed signs of physical suffering and slowly his health deteriorated. In the face of this he bore himself with wonderful fortitude, remaining as cheerful and as helpful as ever. He was at his desk three days before his death in the Middlesex hospital. His tragic death at such an early age is a loss to pharmacy; his colleagues mourn the passing of an ideal colleague. They extend their sympathy to his wife and family.

WRAY.—At his home, Carnone, Cookstown. Northern Ireland, on November 4, Mr. Charles Alexander McCurdy Wray. Mr. Wray qualified as a pharmacist in Dublin in 1892. Before his retirement some years ago Mr. Wray carried on business in Magherafelt and then in Cookstown.

PERSONALITIES

MR. G. TEELING-SMITH, M.P.S., who has been appointed deputy sales

manager of Bayer Products, Ltd. (this page), holds a Cam-bridge Honours degree in m a t h e m a ties and natural sciences. Since joining the company at the beginning of the year he has been working in the sales promotion department, and has



been engaged in statistical studies.

N.H.S ESTIMATES

Bury.—Total, £239,135; pharmaceutical services, £107,880.

DERBYSHIRE.—Total, £2,351,100.

NEW PRODUCTS AND PACKS

Analgesic Suspension for Children.—Clarnell, Ltd., Spark Lane, Mapplewell, nr. Barnsley, Yorks, are marketing for children a new analgesic-antipyretic suspension, Adwin pædiatric. Adwin pædiatric is issued in 4- and 16-fl. oz. bottles. It is a fruit-flavoured suspension free of salicylates, its formula being paracetamol, 75 mgm.; phenacetin, 50 mgm.; and caffeine, 7.5 mgm. in each teaspoonful.

Anti-rheumatic Aerosol. — Castle Laboratories, Ltd., 77 Castle Street, Hinckley, Leics, are marketing a new aerosol product, Algispray, for usc in the treatment of rheumatism and associated complaints. Algispray contains 5 per cent. each of hydroxyethyl salicylate and diethylamine salicylate, and 1 per cent. of methyl nicotinate. One of its advantages is that it may be self-administered by infirm or semi-immobilised sufferers.

Plastic Wound Dressing. — Evans Medical Supplies, Ltd., Speke, Liverpool, 24, have made available Nobecutane-D, a plastic wound dressing for use in clinics and in the home. Nobecutane-D contains the antiseptic tetramethylthiuramdisulphide (TMTD) and is indicated when asepsis is not possible, as well as for general dermatological use. It is issued in bottle of ½ fl. oz. with brush attached to the inside of the cap.

Two Releases. - For use when oral administration of nisolone may be contraindicated, Pfizer, Ltd., 137 Sandgate Road, Folkestone, Kent, are making available on November 17 Deltacortril intramuscular injection. By producing a depôt effect, the preparation enables the physician to supply the total steroid requirements of the patient in a once- or twice-weekly injection. The product is supplied in 5-mil multidose vial containing 25 mgm, per mil of the acetate of prednisolone.—A new oral hypoglycæmic agent, Diabinese (chlorpropamide), is another new Pfizer product. It is being made available to diabetic clinics throughout the country following favourable reports of its action. reports were presented at an international conference held recently in New York, U.S.A. Belonging chemically to the arylsulphonylurea group of drugs, Diabinese has as its main indication uncomplicated diabetes mellitus of the stable mild or moder. mellitus of the stable, mild or moderately severe non-ketotic, adult type. In those patients a satisfactory response is evidenced by a fall in blood sugar, a lessened glycosuria and the disappearance of such symptoms as pruritus, polyuria, excessive thirst, etc. It is not a substitute for insulin, and only certain patients are suitable for Diabinese The drug has a profound therapy. effect on glycogen metabolism, as evidenced by increased glycogen content of the liver, though muscular glycogen is unaltered. The daily dose should not exceed 500 mgm., taken generally each morning with breakfast. Most patients are adequately controlled by 100-500 mgm. daily. The hypoglycæmic effect of the drug is exerted in normal humans within one hour, maximal at 3-6 hours.

Lightweight Nylon Stockings.—Colby Products, Ltd., 314 Euston Road, London, N.W.1, are suppliers of the Colby Nylite lightweight nylon elastic yarn stocking with "supersoft" finish. The hose has a smooth matt look, and may, they claim, be worn without overhose. Nylite may be ordered and supplied against National Health Service prescriptions.

First "Push-button" Toothpaste. — Colgate-Palmolive, Ltd., 145 Charing Cross Road, London, W.C.2, are now offering Colgate dental cream in a "power-packed" metal container from which it is delivered through a nozzle on to the tooth-brush by finger pressure on the cap of the can. The container has obvious advantages in convenience and economy over a collaps-



ible tube, and they are being brought home to potential customers in a national advertising campaign starting in mid-November. The container, which is understood to contain enough dental cream to outlast five standard size tubes, goes out to chemists in a display outer of six.

Make-up Cape. — A make-up cape, the Frou Frou, made from flock-printed confetti nylon, and lined with soft plastic, has been introduced by Kleinert Rubber Co., Walpole House, 91 New Bond Street, London, W.C.I. The Frou-Frou is packaged in a gold box for counter display, and features both on the outside of the box and as an insert in the film bag a full-colour photograph of the product in use. The cape is easy to wash and has a covered plastic spring neckband so that it can be slipped on and off easily.

Three Features in a Deodoriser. — Claimed to be the only deodoriser with a stainlesss wire clip and plastic suction cap that prevents movement, the only deodoriser with patented reinforcement; and the only deodoriser which freshens and perfumes without further adjustment, the Flush w.c. deodoriser is distributed by Thompson & Capper, Ltd., Speke, Liverpool, 24.

Firelighters in Odour-sealed Carton.

—The Drummer firelighter launched by Wm. Edge & Sons, Ltd., Bolton, Lancs, is packed in a transparent cellulose and enclosed in a stout card box.

Increased burning qualities have been given to the twelve individual sticks which are now completely separated ready for use.

TRADE NOTES

Change of Pack Size. — Tetanus toxoid, B.P., is now issued by Evans Medical Supplies, Ltd., Speke, Liverpool, 24, in bottle of 10 (not 5) mils.

Appetising but Starch-free. — Diabetics and slimmers are offered a new "appetising whole-wheat flavour" in starch-reduced Figgerrolls, the manufacturers of which are Whitworths Holdings, Ltd., Wellingborough, Northants.

Consulting-room Equipment.— Macarthys (Wholesale Chemicals), Ltd., Romford, Essex, and Sidcup, Kent, have a surgical department in which they maintain stocks of instruments and equipment for every day use by general medical practitioners in their surgeries.

Change of Presentation. — John Wyeth & Brother, Ltd., Clifton House, Euston Road, London, N.W.1, announce that from November 17 their speciality Lipect elixir is available only as a 4-oz. class-A dispensing unit (exempt from tax). Lipect is an S.1 and S.4 poison.

Scientific and Industrial Glassware.

—James A. Jobling & Co., Ltd., Wear Glass Works, Sunderland, makers of Pyrex oven ware and infant feeding bottles, also supply a large range of laboratory glass equipment and Pyrex pipe-line for the transfer of liquids, chemicals, etc.

Seeds in Christmas Pack. — Ryder & Son, Ltd., St. Albans, are marketing a gift pack of assorted flower seeds. The pack is presented in a transparent wrapper, printed with a holly border and the words "Ryders Christmas selection." The contents are six assorted packets of flower seeds from the company's "Cup" series.

"Suite," not "Convertible."—A paragraph in these columns last week describing the convertible compact issued by A. S. Brown & Co. (Mfg.), Ltd., 79 Coborn Road, London, E.3, was incorrectly illustrated, the item shown being in fact the same company's "compact suite" (see C. & D., September 13, p. 269).

Marketing-policy Announcement. — As a result of the purchase by Aspro-Nicholas, Ltd., of Clinical Products, Ltd. (see C. & D., November 8, p. 494), all the ethical pharmaceutical products of the latter company, and of A. & G. Nicholas, Ltd., are being marketed, from November 17, by a newly formed ethical pharmaceutical division of Aspro-Nicholas, Ltd., 225 Bath Road, Slough, Bucks.

Old-established but "Fully Progressive."—W. Sutton & Co., Druggists' Sundries (London), Ltd., Horseshoe Lane, Enfield, Middlesex, claim that, while they are the "oldest established druggists' sundriesmen and proprietary medicine house in the world," they also provide a progressive service to pharmacists. They carry a range of druggists' sundries that extends to bed pans, electric blankets, dressings, enemas, surgical and household gloves, forceps,

hypodermic needles, syringes, medicine glasses and thermometers, and they undertake immediate delivery of proprietaries and "ethicals."

An Extended Distribution.—With the introduction of a new pack giving greater shelf life and sales appeal to the product, R. M. Scott (Ipswich), Ltd., 11 Tower Street, Ipswich, are widening the distribution of their range



of health-food biscuits to include, among others, pharmacies. The new pack, replacing a former tin, is a Sarancoated cellulose film pack, Flexographic-printed in red, green and white. The biscuits require a high degree of moisture protection. The satchel-type bag adopted was designed and produced by E. S. & A. Robinson, Ltd., Bristol, in 400-gauge film, known as MXXT, which provides excellent moisture and odour protection and can be heat-sealed at normal operating temperatures (around 130° C.).

Competition Prize-winners. — For supplying the winner in a Kolynos national snapshot competition, 1958, organised by International Chemical Co., Ltd., 12 Chenies Street, London, W.C.1, D. Jackson & Sons, Ltd., 22 Walsall Street, Wednesbury, Staffs, received £100. £50 each for issuing first prize-winners' entry forms in each of five sections went to Boots, Ltd., High Street, Worcester, South Street, St. Andrews, and High Street, Bromley, Kent, and to The Central Pharmacy (Walter S. Taylor, M.P.S.), 63 Market Street, Hoylake, Ches, and A. I. Lloyd, M.P.S., Guernsey, C.I.

Gift Packs. — CHESEBROUGH-POND'S, LTD., Victoria Road, London, N.W.10, are marketing for the Christmas season special packs of Vaseline liquid sham-

poo and Vaseline hair cream. The shampoo pack contains four sachets and is designed to hang on a Christmas tree. "Windows" permit the contents to be seen. The hair cream pack contains the standard size jar.—F. FARTHING & CO., LTD., Harlow, Essex, are introducing a new gift coffret containing one jar of Apiella royal jelly skin vitaliser and one bottle of Apiella royal jelly skin vitaliser cleanser. The pink box has a blue satin lining.—D. & W. GIBBS, LTD., Hesketh House, Portman Square, London, W.1, are marketing a special Christmas gift pack of Gloria shampoo. Three sachets and a "tail-comb" are contained in a transparent-fronted box. No charge is being made for the comb.

Pamphlet on European Trade. — A pamphlet written by Jossleyn Hennessy as a "simple-man's" guide to the Common Market and Free Trade Area proposal may be obtained for 1s. 3d. (post free) from the Federal Educational and Research Trust, 10 Wyndham Place, London, W.1.

Bonus Offers

JOHN WYETH & BROTHER, LTD., Clifton House, Euston Road, London, N.W.1. Algipan balm. Fourteen invoiced as twelve on order for 3 doz. or more. During November.

DAE HEALTH LABORATORIES, LTD., 17 Berners Street, London, W.I. Val-pak cream face pack. Offer of extra discounts (see C. & D., September 22, p. 294) extended to November 24.

Calls for Tenders

THE Board of Trade has issued details concerning tenders sought by various overseas bodies, and an outline is given below of the requirements and closing dates. For fuller information readers should apply, quoting reference, to Export Services Branch, Lacon House, Theobalds Road, London, W.C.1.

Drugs, pharmaceuticals and chemicals (345 items). Federal Tender Board, P.O. Box 8075, Causeway, Salisbury, Southern Rhodesia, E.S.B. 27006. November 21.)

Gauze, sanitary towels, cellulose wadding. The Chairman, Tender Board, Ministry of Health, P.O. Box No. 500, Colombo, Ceylon (E.S.B. 25650/58. December 30).

Pharmaceuticals and chemicals (246 items, mainly in small or moderate quantities). Central Trust of China, Purchasing Department, 68 Yen Ping Nan Road, Taipei, Taiwan, Formosa (E.S.B. 26125/58/1.C.A. November 22).

Tablets, various including

Tablets, various including aspirin and sulphaguanadine. United States Operations Mission to Viet-nam, Contracts & Procurement Section, c/o American Embassy, Saigon, Viet-nam. (E.S.B./26837/58/I.C.A. December 1.)

Pharmaceutical products (245 items), Permanent Purchasing Commission, Lourenço Marques, Portuguese East Africa. (E.S.B. 27178/58. December 11.) Tenders only through firms established in Mozambique whose names are registered with the Stores Department of the Treasury (Almoxarifado de Fazenda), Lourenço Marques

Tetanus antitoxin, 20,000 ampoules 3,000 units. Supply Department, Institute of Social Insurance, 19 Hippokratous Street, Athens. (E.S.B. 27077/58. November 27.)

MANUFACTURERS' ACTIVITIES

Chosen for Design Centre. — The Remington Super 60 and Four-Most electric shavers have been chosen for display at the Design Centre, in Lower Regent Street, London, W.I. A spokesman for the Council of Industrial Design, sponsors of the Centre, said recently that there had taken place a considerable improvement in the design of electric shavers, and they had therefore been moved out of the "miscellaneous" category into a section of their own. The Remington shavers are the first to be shown.

shavers are the first to be shown.

"Twenty Year" Club.—The second annual dinner of Dr. Scholl's "Twenty Year" club was held in London on October 15. The 106 members present were greeted by Mr. F. J. Scholl (managing director of the company), who flew to London from Chicago for the party. All members of the club are employees of the Scholl Mfg. Co., Ltd., who have completed twenty years' service; they were invited to London for the annual "get together" of Scholl veterans. Those unable to attend through illness were sent special greetings. Nine new members, who completed twenty years' service during the year, were welcomed. The members voted for a small



Second annual dinner of the twenty-year club of Scholl Manufacturing Co., Ltd.

committee of six to look after the details of future annual events.



OPEN DAY: Members of the public were able to visit the premises of CIBA Laboratories, Ltd., Horsham, Sussex, on November 6, when the company held an "open day." Each member of the staff was allowed to invite two guests relatives or friends-and the visitors were permitted to wander the corridors, offices and production departments at will. Nearly 500 visitors defied unfriendly weather to be present.



THE annual report for 1958 of the British Pharmaceutical Correspondence Chess League was published recently and copies are obtainable on application to the League secretary (Mr. A. Robinson, M.P.S., 352 Kirkstall Road, Leeds, 4). Current activities of Road, Leeds, 4). Current activities of the League include participation in the competitions of the Postal Chess League—in which the pharmacists' team has made a disastrous start by losing the first six games—and an individual tournament with the avowed intention of disappearing a chemist chess tention of discovering a chemist chess champion. Many members, however, prefer to exercise their "chess brains" by solving abstruse problems including those set by leading chess problemist Mr. R. L. Spencer Palmer, M.P.S., Reading, in this column. He wonders how many readers solved the last teaser he set (C. & D., August 16, p. 180). Here is the position in Forsyth notation: 5R2/4N2n/N1Pk4/3p4/ notation:-6Q1/b3B3/b7/7K. (Mate in two—composed by F. Healey). That is a problem of the "ambush" category, in which white prepares a contingent battery No. 9 to reply to the black King's moves as well as threatto reply to the

as well as threatening mate. key is a fine one and can be disworking out possi-bilities. 1,R-B7 and B-Q4 are tempting but only 1, Q-K2 will suffice. Here --p-r-is another problem set by Mr. Palmer. (The solution will White 4 be published next week.) (In the 'diagram' capital letters represent white pieces who are moving up the poard.) Notation check on diagram:—

<7/8/N1N5/3B4/K7/8/4p1r1/8.</p>

CONSUMER RESEARCH

Slimming aids and adjuncts investigated

THE fifth edition of Which? (quarterly journal of the Consumers' Association, Ltd., 7 Great James Street, London, W.C.1, formerly the Association for Consumer Research, Ltd.) contains reports on investigations carried out on slimming preparations, glucose drinks, tooth-pastes, tooth-brushes and bathroom scales.

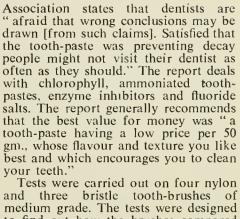
room scales.

Slimming preparations were investigated under the headings drugs which increase energy output (thyroid preparations); substances which decrease appetite (Dexedrin, Preludin, Slimso, Bisks, Formula 21 and Swedish milk diets); "slimming pills" (laxative types); "substitute foods" (Saxin, Ryvita, Vita-Wheat, Procea slimming bread, Energen, Figgerrolls, Granose); external slimming treatments (Turkish external slimming treatments (Turkish baths, Nu-Slim, Reductor external slimming treatment). The summary of the report states that thyroid gland preparations, Dexedrine (prescription only) and Preludin "should only be taken with the advice of a doctor, and in conjunction with a sensible diet." The following were classified in the report as "accepted as safe and effective slimming aids and preparations": Formula 21, Energen, Granose, Figgerrolls, saccharin, Saxin, Sweetex and Biskoids.

Samples of four glucose drinks and three soft drinks claiming a glucose content were analysed to find the calorie value and the form in which glucose was present. All the samples tested were found to conform with the minimum glucose content laid down in the Food Standards (Soft Drinks) Order 1953. Of the seven brands ex-amined (Citrose, Ferguzade, Lucozade, ferrous glucose, Corona Tango, Robin-son's orange squash and C.W.S. Sun-Sin) the Association says that the best Sip) the Association says that the best buy was Citroze, containing 354 calories per shilling.

In examining tooth-pastes, the Association's interest was in the advertis-ing claims made by manufacturers in view of the official statement issued recently by the British Dental Associa-tion that they "recognise that a dentifrice is of considerable value in the cleaning of the teeth and gums but do not accept as proved, on the evidence at present available, any claim that a dentifrice can actually prevent dental disease, otherwise than by virtue of its function as a cleansing agent." The function as a cleansing agent.'

HOME COUNTIES HAIR BEAUTY: Miss Sheila Van Damm (motor-rally driver) presents the first prize in a Home Counties hair beauty competi-tion staged at a ball at Hoddesdon, Herts, on October 24, to Helen Levett a local girl who works for a Regent Street hair -stylist, Miss Levett rcceived a vanity box of grey hide containing two years' supply of Vaseline liquid sham-noo and a second



to find out how the brushes compared when subjected to the kind of wear they would receive in normal daily use. After the equivalent of twelve months' normal use it was found that on all the brushes the length of bristle had become reduced from 0.4 to 0.8 m.m. and natural bristle had splayed slightly while nylon had retained its original shape. Other tests by private individuals using the same brands and grade were carried out. The extent to which they showed wear scemed to depend upon how heavily they were used rather than on the make of brush. The tests showed that there was nothing to choose between the brands. All medium grade brushes tested gave the equiva-lent of a year's useful life to an average user but nylon brushes were in slightly better condition at the end of that period.

Bathroom Scales

Ten bathroom scales were the subject of another test. One of the tests was the subjection of the machines to a 12 stone weight 2,190 times, giving the equivalent of six years' usage, assuming the scale to be used once a day. day. After the equivalent of three years usage, two scales failed to operate, and one failed nine months later; the remaining seven machines continued to give readings up to the equivalent of six years. At the end of the test all machines showed differentials ranging from 1 lb. to 10 lb. The report states that the Salter Windsor was the best machine tested because it was reasonably accurate at all weights and came through the life test without developing any important faults.



vanity box with two years' supply of Vascline hair tonic from Chesebrough-Pond's, Ltd., London, N.W.10. The ball was organised in aid of the Imperial Cancer Research Fund by Mr. R. G. Freeman, Hoddesdon, and the Fund's appeal secretary (Mr. I. Dickson Wright) was present.

LONDON MEDICAL EXHIBITION

New proprietary medicinal products launched this week

THE London Medical Exhibition was opened on November 10 by Sir Roy Cameron. He spoke of new measures for the more effective use of drugs by prolonging their local and general action and removing side-effects, or by promoting their absorption, simplifying their administration, and reducing their toxicity. No less important, he said. was to bring down the cost. Sir Roy said it was fitting that new discoveries should be placed quickly before the medical profession. At this year's exhibition visitors would glean the latest information about cordiac and respirainformation about cardiac and respiratory tests; see a simpler apparatus for determining blood pressure, reliable stains for microscopic diagnosis; and simple methods for examining urine, blood and body excretion.

CLINISTIX reagent strips are absorbent strips, size $2\frac{3}{8} \times \frac{3}{16}$ in., impregnated with a solution containing glucosc oxidase, a peroxidase and ortho-tolidine. In use, the test end of the strip is dipped in urine: a blue colour develops in less than a minute when glucose is present. Pack: Bottle containing sixty strips (AMES Co. (LONDON), LTD.).

CORANGIL tablets for the preven-

tion and treatment of angina pectoris. The tablets contain glyceryl trinitrate, gr. 1/130 (in an outer coating with a citrous flavour), pentaerythrityl tetranitrate, gr. $\frac{1}{3}$, dihydroxypropyl theophylline, gr. 2, magnesium trisilicate, gr. 2, and papaverine hydrochloride, gr.



Coscopin (Evans Medical Supplies, Ltd.); Plesmet syrup (Coates & Cooper, Ltd.).

In bottles of fifty, 250 and 1,000 (ALLIED LABORATORIES, LTD.).

CORTUCID, a bland cream, fluid in consistency, containing Albucid, 10 per cent.; and hydrocortisone acetate, 0.5 per cent. Cortucid is indicated in the treatment of eye conditions. Pack: Tube containing 3 gm. (British Schering, Ltd., London, W.8.).

COSCOPIN PÆDIATRIC. Specifically constituted to meet the dosage needs of children. Contains noscapine, 12.5 mgm. in 7 mils. Bottles of 4 fl. oz. and 2

litres (EVANS MEDICAL SUPPLIES, LTD.).
DETIGON. Contains 50 mgm. of 1o-chlorphenyl-3-dimethyl-amino - 1phenylpropan-1-ol hydrochloride per mil. Indicated in the treatment of cough, the active constituent having a cough-suppressing activity equal to that of codeine, and more than five times that of narcotine. Packs: A drop bottle containing 10 mils, and a bottle containing 50 mils of solution (LEV-MEDIC, LTD., London, W.C.1).

ERYTHROCIN—IM. Erythromycin ethyl succinate dissolved in polyethyl-

ene glycol. Each c.c. contains 50 mgm. of erythrocin base. Issued in 10-c.c. multiple dose vial (ABBOTT LABORA-TORIES, LTD., London).

FRAMYCORT lotion. Contains framycetin sulphate, 0.5 per cent., and hydrocortisone acetate, B.P., 0.5 per for seborrhæic dermatitis. cent., otitis externa, and anogenital pruritus. Pack: A 20-mil container (GENATOSAN, LTD., Loughborough, Leics).

FRAMYGEN. Contains framycetin sulphate, 0.5 per cent., in a watermiscible cream base. Its chief indications are in the treatment of sycosis barbæ, otitis externa and impetigo. Pack: A 15-gm. tube (GENATOSAN, LTD.).

GENACORT cream. Contains hydrocortisone, B.P., in a non-greasy base. Two strengths are issued: 0.5 per cent. and 1 per cent. each in two packs (5-gm. and 15-gm.). Genacort ointment



Erythrocin-L.M. (Abbott Laboratories, Ltd.); Corangil (Allied Laboratories, Ltd.); Novalkal (Anglo-French Drug Co., Ltd.); Clinistix (Ames Co. (London), Ltd.); Juvel (Vitamins, Ltd.); Metanium (Beugue & Co., Ltd.).



Volpar foaming tablets (The British Drug Houses, Ltd.); Tyromist throat spray and Cortucid eye cream (British Schering, Ltd.).



Genacort ointment and cream; Framycort lotion; Framygen (Genatosan, Ltd.).



Gonadotrophon F.S.H. (Paines & Byrne, Ltd.); Ilidar tablets (Roche Products, Ltd.); Nez (Rybar Laboratories, Ltd.); Deligon (Levmedic, Ltd.).

is a greasy preparation. Both products are indicated in the treatment of contact dermatitis and certain eczemas (Genatosan, Ltd., Loughborough, Leics).

GENATOSAN SKIN BAR. Contains

GENATOSAN SKIN BAR. Contains 78 per cent. of the sodium salts of sulphated fatty acids for use instead of toilet soap in the treatment of acne and greasy skins (GENATOSAN, LTD.).

GONADOTROPHON F.S.H. tablets for sublabiled administration. Each tablet

GONADOTROPHON F.S.H. tablets for sublabial administration. Each tablet contains 50 international units of serum gonadotrophin (F.S.H.) and is indicated in the treatment of acne vulgaris. Packs: Bottles of twenty-five and 100 tablets (PAINES & BYRNE, LTD., Pabyrn Laboratories, Greenford, Middlesex).

ILIDAR. The phosphate of 6-allyl-6-aza-1: 2-3: 4-dibenzo-cyclohepta-1: 3-diene (azapetine phosphate). Ilidar has

ILIDAR. The phosphate of 6-allyl-6-aza-1: 2-3: 4-dibenzo-cyclohepta-1: 3-diene (azapetine phosphate). Ilidar has a vasodilator effect and is therefore indicated in peripheral vascular disorders. Packs: Bottles of fifty and 250, 25-mgm. tablets (ROCHE PRODUCTS, LTD., London, W.1)

London, W.1).

JUVEL. A vitamin-containing tablet formulated to supplement specific requirements of the older patient. Each tablet contains vitamin A, 5,000 international units; vitamin D₂, 500 i.u.; aneurine hydrochloride, 2.5 mgm.; riboflavine, 2.5 mgm.; pyridoxine, 2.5 mgm.; nicotinamide, 50 mgm.; tocopheryl acetate, 10 mgm.; ascorbic acid,

50 mgm. Indications include failing health not due to organic causes. Packs: Containers of 100 and 500 tablets (VITAMINS, LTD., London, W.6).

lets (VITAMINS, LTD., London, W.6).

METANIUM ointment and powder (containing salts of titanium). Powder in new pack (a tin). The ointment has been reformulated in a silicone paraffin base. Waterproof, protective and nonstaining properties of value in infant and geriatric wards (BENGUE & Co., LTD.).

NEZ. Drops for nasal catarrh, rhin-

NEZ. Drops for nasal catarrh, rhinitis, etc. An aqueous isotonic solution containing naphazoline and phenylephrine in a mucolytic base. Issued in bottle with dropper (RYBAR LABORATORIES LTD. Tankerton Kent)

bottle with dropper (RYBAR LABORATOR-IES, LTD., Tankerton, Kent).

NOVALKAL. Tablets containing magnesium trisilicate, belladonna extract and vitamin C. Indicated in the treatment of gastric ulcer, hyperacidity and duodenal ulcer, following hæmatemesis or restricted diet. Pack: A container of 100 tablets (ANGLO FRENCH DRUG CO. LTD. London)

DRUG CO., LTD., London).

ROVIGON. A flavoured chewing tablet containing vitamin A palmitate, 16.5 mgm. (30,000 international units); and tocopheryl acetate, 70 mgm. For use in geriatric treatments or in conditions associated with inadequate fat absorption. Packs: Bottles of thirty and 150 tablets (ROCHE PRODUCTS, LTD., London, W.1).

PLESMET. An oral iron preparation consisting of a ferrous-sulphate/glycine complex. Each tablet contains ferrous aminoacetosulphate (equivalent to 50 mgm. of ferrous iron) and 1 mgm. of aneurine hydrochloride. The blackcurrant flavoured syrup contains, in each teaspoonful, ferrous aminoacetosulphate (equivalent to 25 mgm. of ferrous iron) and 1 mgm. of aneurine hydrochloride. It is indicated in the treatment of hypochromic anæmia. The syrup suggests itself when tablets are not acceptable. Packs: (tablets) Bottles of 100 and 1,000 tablets; and (syrup) bottles of 2 and 40 fl. oz. (COATES & COOPER, LTD., West Drayton).

TYROMIST. A throat spray issued

with a tongue-depressor nozzle. The solution contains tyrothricin, 0.02 per cent.; cetrimide, 0.05 per cent.; and amethocaine hydrochloride, 0.05 per cent. in an aqueous vehicle. Indications include the relief and treatment of sore throat and laryngitis; prophylactically following surgical procedures; and as an adjunct to systemic treatment. Pack: Plastic atomiser containing 25 mils (BRITISH SCHERING, LTD., London, W.8).

VOLPAR foaming tablets containing phenylmercuric acetate. Pack: A carton of twelve tablets, each sealed in foil (The British Drug Houses, Ltd., London).

STATUTORY COMMITTEE

"No directions given" in four cases considered

THE case of a body corporate convicted of selling poisons when not an authorised seller of poisons was one of four cases considered by the Statutory Committee of the Pharmaceutical Society on November 5. Evidence was given that the superintendent pharmacist had been detained in hospital and was unable to carry out his duties under the Pharmacy and Poisons Act, 1953. At the time of the offence a number of prescriptions had been dis-pensed by unqualified persons from stock mixtures previously prepared by a pharmacist, but when the prescriptions were dispensed no qualified per-son was present. The Statutory Com-mittee considered he should have made proper arrangements before going into hospital, and, if he was unable to do so, the company should have taken the responsibility. The Committee did not regard it as a satisfactory explanation that the medicine had been made up beforehand. The Act required the sale to be carried out under the personal control of the manager or an assistant who was a registered pharmacist. In view of an assurance given to the Committee that the offence would not be repeated, the Committee gave no direction in the case.

The adjourned case of a pharmacist convicted of theft from his employers (see C. & D., October 11, p. 381) was considered by the Committee, which found that the misconduct was such as would render a person unfit to be on the register. They were satisfied, however, that the probationer was genuine in his assurance that nothing of the kind would happen again, and in the circumstances were prepared to give no direction. It would thus be possible for the pharmacist to apply for his name to be restored on completion of the proper formalities and payment of the retention fee.

A Week Without a Pharmacist

The third case concerned a body corporate which was convicted of offences under section 18 of the Pharmacy and Poisons Act, 1933. Evidence was given that the company's business had been carried on for a week without a supervisor or registered pharmacist. During that time the offences under the Act had been committed. One pharmacist was stated to have left the company on April 26; arrangements for another pharmacist to take over on April 28 had been made at the beginning of April, but the managing director had received a letter on April 28 stating that the replacement pharmacist would be unable to join the company until May 5. The Chairman said the Committee were anxious to make it clear to the company concerned, and to any other company that might find itself in a similar position, that if by misfortune there was a gap between one superintendent's leaving and another's being appointed, or between the services of two managers, as the result of which at a particular time there was no registered pharmacist able to supervise the sale of poisons, then the sale of poisons must stop during that period. "Though nobody is to blame for the absence of a pharmacist, somebody is to blame for the continuance of the sale of poisons during the period when the requisite supervision is not available" said the chairman. Having made the statement the Committee did not propose to make a decision on that particular inquiry.

Test Purchases

The case of a pharmacist who had previously pleaded guilty to stealing £2 9s. 6d. from his employers was also considered. The pharmacist had been employed at a branch pharmacy. directors of the company, not being satisfied that all was well at the pharmacy, had sought the assistance of Company Lodge Service, Ltd., Birmingham, to carry out an investigation. Cash shortages were suspected. Test purchases were made and notes taken of recordings on cash registers. employees who had carried out the test purchases gave evidence to the Committee. One said she had seen a number of purchases rung up on the cash register, but when she made her two purchases, which amounted to 16s., the purchases were not recorded. Subsequent investigation showed no trace of

the transactions on the till rolls. When the pharmacist's attention was drawn to it he said he "must have borrowed it to put the petty cash right." The pharmacist told the Committee that he was deeply sorry. "I admitted in the magistrates' court that the money had been embezzled, and they saw fit to put me on probation for two years. "I did commit the offence, I admit it freely, and I have been given employment by a man who knows this case.... I am still with him."... "I leave myself entirely on your mercies, and apologise to you for this lapse on this occasion." Evidence was also given by the pharmacist's brother. In giving the decision THE CHAIRMAN said the Committee had considered seriously whether the right course was to remove the pharmacist from the register, and had decided to adjourn the inquiry for a year, at the end of that time the pharmacist would be required to appear again before the Committee and provide written reports from two persons, one of whom should be a pharmacist, concerning his behaviour during the year. If the reports were satisfactory the chairman thought it might be possible to give no direction. If, however, the reports were in any respect unsatisfactory a direction would probably be given for the removal of the pharmacist's name from the register.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold hinself responsible for the views expressed.

"Status"

SIR,—Your contributed article under the above heading in the series "Hospital Pharmacy Forum" (C. & D., October 25, p. 450), throws much light on the status of the pharmacist in the general set up of hospital practice. Yet, to too many members of the staff he is still the "dispenser." That is another matter to which a public-relations officer for pharmacy—if he were appointed—could address himself.

PHARMACEUTICAL CHEMIST

Proof of Responsibility

SIR,—I have been reading the judgment on C.F. in the November 8 edition of the C. & D., and it recalled to me a happening during last winter. I was in the pharmacy of Mr. Sydney Best, Ewell, and beside me was a woman with a child that was coughing. The mother asked for a cough cure (I am now not sure which, but I think she indicated Owbridge's). Mrs. Best said "I cannot serve you; in my opinion that child has whooping cough, and I advise you to take it to your doctor." That is rather a point, is it not?

HUGII LATTIMER,

London, S.E.1

Non-salicylate Analgesics

SIR,—Your leader "Aspirin Again Under Suspicion" (C. & D., November 8, p. 502) seems lacking in one respect, namely that no mention is made of the existence of an alternative to aspirin as an analgesic and antipyretic. This is N-acetyl-p-aminophenol (paracetamol) marketed by this company as Panadol.

Alvarez and Summerskill, in one of the papers referred to in your editorial, state specifically that gastric bleeding did not occur in any of the patients receiving Panadol.

L. M. SPALTON, B.Pharm., M.P.S., *Group chairman*, BAYER PRODUCTS, LTD., Kingston-on-Thames

[Our leader included the sentence "non-salicylate analgesics did not influence the stool occult-blood content" — EDITOR.]

Resolved ...

Sir,—As one who has always given the C.F. movement my utmost support, I cannot let the recent judgment of the Restrictive Practices Court pass without showing some appreciation for those pharmaceutical manufacturers who have so staunchly supported the movement. It is still open to individual manufacturers to restrict their retail outlets to registered pharmacists, purely as a matter of individual policy—indeed a number of manufacturers have already stated that that is to be their policy. would like, therefore, to say here and now that I also, as an individual retail pharmacist, have decided that my own future policy will be to support the products of those manufacturers who stood by the C.F. to the bitter end, and that I shall assume, until evidence or statements to the contrary are forth-coming, that those manufacturers will continue to support the retail pharmacist as they have done in the past.

A. V. L. Dowdeswell, Southsea



INTRODUCING

Rapid adsorption of gastric hydrochloric acid is accepted as the most effective method of obtaining relief in peptic ulcer pain.

* In two minutes a single teaspoonful (3.5 mls.) of DROXALIN GEL will neutralise 50 mls. of N/10 HCI. This is several times the speed of acid adsorbents prepared by usual methods.

DROXALIN GEL

Using the well established Droxalin formulation a new and exclusive manufacturing technique has produced in DROXALIN GEL an antacid possessing this significant increase in initial acid adsorption. The advantages of quicker acting DROXALIN GEL in peptic ulcer therapy and hyperacidity will be readily recognised. The palatability of Droxalin Tablets is achieved.



ACID ADSORBENT

Droxalin palatability in liquid form

ACTIVE INGREDIENTS

Each teaspoonful (3.5 mls.) contains 60 grains Aluminium Hydroxide Gel B.P. (equivalent to S grains Dried Aluminium Hydroxide Gel B.P.) and S grains Magnesium Trisilicate B.P.

DOSAGE

One or two teaspoonfuls one half-hour after meals. Repeat as necessary.

PACKS AND PRICE

DROXALIN GEL is available in 8 oz. and 80 oz. bottles. Prescribable on E.C.10. Basic N.H.S. cost. 1/10d per 6oz. bottle.

CLINICAL TRIAL SAMPLES ON REQUEST TO :- SCOTT & TURNER LTD. NEWCASTLE UPON TYNE

SEEN NEW ADS SAVLON
ANTISEPTIC LOZENGES?
TERRIBLY GOOD OUTSTANDING
STOP HOW GOES IT
REGARDS HAROLD

INDEED YES EVERYONE SEEN
THEM STOP BRIGHTER BETTER
EVEN LAST YEAR STOP
CUSTOMERS BATTERING DOOR
DOWN STOP RUSH GROSS OR
ALL PERISH STOP SOUNDS LIKE
THEIR ADS DOESNT IT
REGARDS STEVE

Savlon antiseptic lozenges

In tubes of 12 lozenges. Retail price 2/6 (incl. P. Tax)

Imperial Chemical Industries Limited, Pharmaceuticals Division, Wilmslow, Cheshire

Ph871



For Retailer, Wholesaler and Manufacturer
ESTABLISHED 1859

Published weekly at 28 Essex Street, Strand, London, W.C.2

TELEPHONE CENTRAL 6565
TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

First Reactions

THE council of the Chemists Federation has lost no time in rescinding those rules which, since they represented the framework on which was based the agreement ruled void by the Restrictive Practices Court (C. & D., November 8, p. 492), could no longer stand. In a letter sent out on November 10 to every Federation member the secretary (Mr. R. H. Kemp) wrote:

Following the written judgment of the Restrictive Practices Court, delivered on November 3, the council of the Federation met on November 5 and, in accordance with the terms of the said judgment the council, subject to the approval of the Registrar of Friendly Societies, rescinded rules 36, 38, 39 and 40, with the exception of paragraph (iv) and paragraph (ii) of rule 41 of its constitution and rules. The Registrar of Restrictive Trading Agreements has been so informed. The meeting of the council has been adjourned until November 13 to enable further consultations to take place with our legal advisers, upon the question of the Federation's future policy, after which a further communication will be sent to you.

The decision is a difficult one, and it may be that even the promised "further communication" will not represent the end of the matter.

In our own comments last week we stated that the "code of standards of advertising practice" affected only advertisements in recognised media such as the Press, commercial television, and the hoardings. We now understand that in practice manufacturers' literature is examined under the code and that the Proprietary Association of Great Britain takes account of all published statements by its manufacturer members, including labels on containers. We also, in our remarks on wholesalers, concerned ourselves with those wholesalers with grocery and other non-chemist outlets. Proprietor chemists in some areas have been obtaining supplies, we believe, from local wholesalers dealing only with chemists but not recognised by the Federation. Those wholesalers are now understood to be in a position to supply goods formerly on the C.F. list.

A Venture That Misfired

THE Scottish Daily Express recently put forward a scheme, commendable in its intention but unfortunate in its practical effects, of giving publicity to the contribution of Scottish pharmacy to the success of the National Health Service. Part of the scheme was to invite chemists to take paid spaces for uniformly small displayed advertisements of their own businesses.

With exemplary promptness the Pharmaceutical Society's resident secretary in Scotland (Dr. G. H.

Macmorran) sent out to members of the Society north of the Border a warning that for any chemist to rise to the newspaper's bait could involve ethical considerations, which were, in fact, currently under consideration by the Council of the Society at its meetings in London. Accordingly members were advised not to enter into any commitments with the newspaper, Four days later a second letter was sent out from York Place reporting the Council's disapproval of pharmacists' taking part in such advertising. The letter stated:

"Any advertising by pharmacists which is associated with editorial articles describing the professional work of pharmacists can only be interpreted as the advertising by the pharmacists of their dispensing services. This would be in direct contravention of the Society's 'Statement on Matters of Professional Conduct'."

Accepting that the Council's finding was based on the actual details of the scheme (and the Council has seen them but we have not), the resident secretary and the Council are to be congratulated for giving, with a minimum of delay, a firm ruling on which members are entitled to expect guidance more specific than the generalised principle underlying the "code of ethics."

Onward from Galen

A CURRENT CAUSERIE

THE Old Pharmacy, at the Street, Albury, Surrey, which had been a pharmacy for many years, was recently taken over by an antique dealer, who decided to retain the name. When representations were made to him that it was illegal for his shop to be called a pharmacy since there was not a pharmacist dispensing drugs there, the new owner of the property pointed out that he was calling his shop not a pharmacy—but an "old" pharmacy, implying it was no longer functioning as such. However, the antique dealer now believes he has met the inspector's objection. He considers he has got over the difficulty by altering his sign to read "NOT THE OLD PHARMACY, THE STREET, ALBURY!"

*

READERS of a Rio de Janeiro newspaper were recently scared by an allegation that men had been feminised by eating beef from steers fattened with the aid of stilbæstrol, says the American magazine Time. Sales of beef dropped and Brazilians took to a fish diet. It was unlikely that there was any substance in the allegation because only a minute proportion of Brazilian beef was fattened with the aid of hormones, and then the daily dose was only 10 mgm. in each animal's feed, nearly all the hormone being metabolised or passed through the digestive tract. Virtually none could be found in the meat if the hormone feeding was stopped forty-eight hours before slaughter. In order to suppress the local alarm, authorities in Rio insisted that there was no danger in Brazil but plenty in the United States, where hormone fattening is standard practice. The U.S. authorities, however, have not turned up a single proven case in which enough hormone got through to have any detectable effect. Sales of beef in Britain have also dropped recently though, we believe, for a different reason.

OLD memories were doubly reawakened when Mrs. M. Forbes, who lives now in East Dulwich, and has achieved the respectable age of seventy-eight, wrote to us recently. Mrs. Forbes sent us a cutting from the *Script*, a publication which the late Mr. Herbert Skinner used to edit and produce. Mr. Skinner was at the time pharmacist ("pharmaceutist") at the Royal Northern Hospital, Holloway Road. London, N.1, and a member of the Council of the Pharmaceutical Society. More present-day pharmacists, perhaps,

will remember his *Script* than can recall the organisation for employee pharmacists which, as a young man, he promoted. His founding of the *Script* dates from a somewhat

later period, but Mrs. Forbes's cutting was of her own memories, published some years ago (exactly how many does not appear) of a girlhood spent sixty-five years previously in a South London pharmacy of which her father was the proprietor. "We were opposite a large public house," she wrote, "and it was useless to close on Saturday night until 12 o'elock. for if we did, people would start ringing at the side door for their pills and powders. Everything was made by my father in those days. I used to watch him making the Violet powder with starch and orris root: it was packed in dainty wrappers and sold for one penny a box. Then there were pounds and pounds of loaf sugar being boiled brown for gravy colouring and other uses. Pills, too, were all made by hand and never sugar coated, but covered with liquorice powder. . . . My father suffered from terrible chilblains on his hands, as there were no gas or electric fires. Hundreds of babies' dummies were sold at prices from one penny to sixpence, and yards and yards of rubber tubing for babies' bottles. My father used to spend a great deal of time telling the mothers how to feed their babies, and not to give a child of six months fish and chips."

\star

At the recent London Nursing Exhibition a despondent advertising manager of one of the exhibitors admitted that a diagram of the human intestines had been printed upside down in the exhibition catalogue. We are not sure whether there is any moral in the occurrence, but one of the nurses visiting the exhibition was asked for her comments and after a period of serutiny passed the picture as accurate. When the error was explained she sparkled and came out with "I should know, I'm an Australian nurse." "Of course," said the advertising manager, "the other side of the world. Walk on their heads. We'll use that advertisement in the Australian market just as it is."

ADVICE—NO LOLLY

OF

You can't give one and have the other

"A sensible person who is in doubt about the right medicine will, of course, always go to a chemist."

MR. JUSTICE DEVLIN

ANY young girl can sell medicine, It doesn't require any skill. You just plonk the pack on the counter, And ring up three bob on the till.

Yes, and customers find it so handy To shop at the grocer's nearby. How apt to buy pills for the tumny When buying one's pickles or pie!

Still of course any sensible person, In doubt what his medicine should be, Will get the advice of his chemist (The best things in living are free),

The same precept holds when the doctor 'S not certain what's best to prescribe—
He should seek the advice of the chemist (And he'll find there's no charge, tip or bribe!)

Unfair to take all and pay nothing? What nonsense! The chemist can't fail. Hasn't he his "monopoly" in poisons? (Would conscience but sanction their sale!)

GETIING RUSTY? Bring yourself up to date with the "C. & D. Refresher Course for Pharmacists" compiled by Colin Gunn. B.Pharm., Ph.C., and collaborators (office of the C. & D., 7s. 10d. post free).

Any Business Questions?

I run this pharmacy on my own account and pay selfemployed National Insurance contributions. I have reached the age of 65 but do not rank for retirement pension on account of my income exceding the limit as provided. Presumably (a) I have to continue my contributions still and (b) it is my yearly income that is referred to in considering whether I am eligible for retirement pension.

If you are fully qualified to claim retirement pension rights and are prevented from doing so because of your earnings, you will, nevertheless, be obliged to continue contributions. If, however, by reason of your position in 1948 (when the scheme was introduced) and the date of reaching sixty-five years of age, you fall into the category of late entrant and you are, therefore, not eligible for any increments to the pension when it becomes payable, you would not be required to pay further contributions. If earning's are above £2 10s. per week, the stamp is required as previously but there would be exemption if it were below that figure. It is usual for practical purposes to average out the profits of a business in considering income limits. At seventy years of age, contributions in any case cease and the full pension is payable notwithstanding income earned.

Our five-year lease of these premises expired in December 1957. Prior to that date we received no approach from the owner's agents regarding renewal, and were ourselves advised to remain in occupation and do nothing in the matter. In January of this year we were informed verbally by the agents that they had completely overlooked the fact that our lease had expired, and they proposed that we should carry on for a further year, on the same terms and conditions as before. That extra year will end this December, but we have still not been approached in any way, and are in some doubt as to the present position. We understand that the onus of renewal or termination is on the landlord and not the tenant, but we wonder if we are still protected by the expired lease, or if we are merely occupying the premises on a day-to-day tenancy and could be given notice to quit. We have been in occupation of the premises for eleven years (two five-year terms plus this extra year) and rent and rafes have always been paid promptly.

It appears that you became a tenant for a year upon the expiry of your original tenancy. Having regard to S.26(I) of the Landlord and Tenant Act, 1954, it appears that you are not entitled to make a request for a new tenancy. That, however, does not mean that you are not protected. Your tenancy will continue until your landlords serve you with the statutory notice of termination. Should you receive such a notice you would be well advised to consult a solicitor at onee, so that he can serve the necessary counternotice on your landlords and follow it up by making an application to the court for the grant of a new tenancy.

I have been running my business as a private concern for thirty-five years or more. Would there be any advantage in turning it into a private limited company, especially in the matters of income tax and death duties?

THE most important advantage of turning a business into a limited company lies in giving the shareholders the protection that is described in the name limited liability. If the company were limited they could not be called upon to make any further contribution beyond the sum remaining unpaid on their shares. There is, of course, the greater facility of introducing finance without yielding control. A limited company also does not cease to exist by reason of the death of a shareholder, and control may be passed on as desired. On the other hand partnerships are not liable to profits tax (where it arises), and the net profit of a limited company does not rank for earned income relief, reduced rate relief and the personal allowances, though directors' fees (and their salaries) are separately charged to income tax and receive the available reliefs. A limited company is obliged to keep certain statutory books and file returns, etc. There are a number of complications with regard to death duties, but fundamentally if control is retained, estate duty is leviable.



The redesigned pharmacy at High Street, Blackheath. In the background are Mr. Eli Smith (joint managing director) and branch manager, Mr. P. G. Palmer, M.P.S.

HOW TO CELEBRATE A JUBILEE

A Black Country pharmaceutical business modernises two of its branches

FIFTY years ago, in October 1907, a young Rowley Regis, Staffs, pharmacist and his father set up in business, and established over the next quarter of a century a thriving family concern with manufacturing and retail interests giving employment to over 200 people.

The father (James Henry Price), a mining engineer, was a believer in the value of a sound education and a good training for a job. As a result he apprenticed his eldest son, Arthur Stainton Price, to Mr. William Fleeming, a pharmaceutical chemist, 11 Queen Square, Wolverhampton, for a period of five years from April 21, 1890. The son qualified as a chemist and druggist in 1896, and for the next nine years worked at pharmacies in the Black Country.

In October 1907 his father agreed to finance him in a business and together they opened a pharmacy at 181 High Street, Blackheath, Birmingham, where are still situated both the original pharmacy and the head offices of the business, In 1908 the business became a private company: A. S. Price & Co., Ltd., the first directors being James Henry Price and Arthur Stainton Price, Eventually four of Arthur's brothers (James Henry, jun., Thomas Woodward, Frank, and Percy Matthew) were appointed directors.

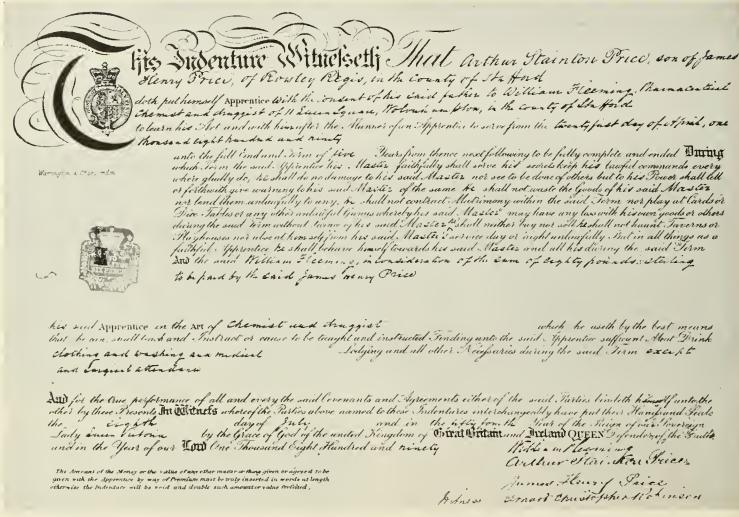
Coincident with the foundation of the company the Price family acquired premises at 69 Halesowen Road, Old Hill, Staffs, which they opened as a pharmacy, engaging a



The dispensary of the Blackheath shop is a converted kitchen.



Modernisation of the Netherton branch pharmacy was only partly completed when this photograph was taken. At right is Mr. T. E. Ashman, M.P.S. (superintendent chemist of the company).



The indenture form of Arthur Stainton Price, dated July 8, 1890.

pharmacist as manager. Little further expansion was undertaken until June 1919, when the company purchased the business of Mr. Elijah Wooldridge, chemist and druggist, High Street, Cradley Heath, Staffs. Three years later they took over the pharmacy of Burchells, Ltd., 61 Halesowen Road, Netherton, Staffs, and in June 1923 still another business at 127 High Street, Brierley Hill. Some years later the Cradley Heath pharmacy was sold to Mr. R. Evans, M.P.S., who remains in business in the same premises, but the other four pharmacies still belong to the company.

Development of Veterinary Interests

Arthur Stainton Price's brother James Henry, concerned himself until his death in November 1951 with the management of Leonard Smith & Co., a branch of the business taken over in October 1910. With the untiring assistance of the present joint managing director (Mr. Frank Jeavons) and a loyal staff, he developed the business into one of the largest manufacturers of veterinary medicines in the country, now employing about fifty representatives, who cover the whole of Great Britain. Another brother (Thomas Woodward) concerned himself during the period of expansion with the development of a food manufacturing business dealing in custard, blanc mange powder, jellies, etc. Mr. Thomas Woodward Price succeeded his brother (Mr. James Henry Price) as managing director, in which capacity he acted for several years until illness forced his retirement from that position. Until his death recently he acted as chairman whenever he was able to attend the meetings of the directors. During his period as managing director he took a keen interest in the several pharmacies and in the business generally. Another of Arthur Stainton Price's brothers, Frank, was secretary of the company for a number of years, until his death in August 1953.

Thirty-one years after the death of his father, Arthur Price died in 1941 at the age of sixty-eight, after a long

illness. His son, Arthur Henry Price, who qualified after serving in the Royal Navy (he was wounded in the attack on Zeebrugge), died seven years later, lcaving a son and a daughter. The son, Mr. Peter Stainton Price, qualified as a pharmacist in 1955, and is manager of the company's Old

Hill branch. There is now only one member of the Price family on the board of directors, Mr. Percy Matthew. Mr. Percy is eighty, but retains an active interest in the company perhaps even more than before he retired from the teaching profession in 1940.

The overall management of the company and its subsidiary is now carried on by the ioint managing directors, Messrs. Smith and Eli Frank Jeavons, Mr. Jeavons has been with the company since 1913, though his

extract from the minutes recording the formation of the comA 5 Suce & 80 conted

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activities have always been, and still are, primarily concerned with Leonard Smith & Co. Mr. Eli Smith became associated with the company as auditor, and was pressed to take an increasingly active part in the administration of the affairs of the business as members of the Price family died or went into semi-retirement. A qualified accountant, he has brought to the company a precise business mind that has helped place it today on a sounder financial foundation than ever before, and it is due to his efforts that a scheme of modernisation in the pharmacies has been started in this, the golden jubilee year of the company.

Black Country folk are noted for their averseness to change, and any change in the traditional-style pharmacies of A. S. Price & Co., Ltd., with their shop rounds and black mahogany fittings, was considered by some a risky step. However, two pharmacies (at Blackheath and at Netherton) have been converted, and the result has been a

steady increase in trade.

At the Blackheath shop a kitchen has been converted into the dispensary, and the shop area has been extended to cover the original dispensary, increasing the shop space by nearly 100 per cent. Oak fixtures and showcases have been installed in place of black-stained mahogany fittings and fixtures. The rear of the shop is given over to display and sale of proprietaries, and for the presentation and collection of prescriptions and dispensed medicines. Nearer the entrance are displayed cosmetics and toiletries, and the increased space from the alterations has been used to advantage in providing room for shoppers wishing to spend time over their purchases of cosmetics. All the showcases are mobile—allowing for variation of layout. Noticeable in all the company's pharmacies is the extensive storage space available. At the Blackheath premises two large rooms at

the moment are being redecorated to accommodate further stock in anticipation of yet increased business. The Netherton shop is in the charge of Mr. T. E. Ashman, M.P.S., superintendent pharmacist of the company. Mr. Ashman has worked for the company since he was apprenticed at its Old Hill branch in 1913. He has been manager of the Netherton branch since 1928, and it was he who commented: "I have seen the company grow-mainly due to the efforts of Mr. Smith." A verandah at the rear of the shop has been rebuilt and now houses the dispensary, formerly situated in the shop behind a dividing screen. Although the shopping area is not considerable, here again provision has been made for extensive stock rooms, of which there are three in all. The manager of the Brierley Hill branch (still maintaining the traditional type of pharmacy interior) is Mr. J. E. Taylor, M.P.S., who was apprenticed at the company's Blackheath pharmacy in 1928 and has been continually employed by the company ever since. He has been manager of the Brierley Hill shop for twenty-two years. The Brierley Hill shop floor area is small (probably not more than 144 sq. ft.) and at the rear, slightly smaller, is the dispensary. Yet the stock room behind the dispensary covers an area of about 80 sq. yd.

Manager at the Old Hill branch is Mr. Peter Stainton Price, a grandson of the founder of the company. Here again three large rooms are full, and a further three rooms

are available for storage purposes.

The most impressive characteristic of the company must be the happy spirit that prevails among the employees. Many have worked there for over forty years, and at each of the branches is evident a common loyalty to the company that has helped put it in the forefront of family businesses of the Black Country.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

PRESIDENT GIVES CANDELABRAS

Interim report on Branch Representatives' May 1958 motions

N the Council table at a meeting of the Council of the Pharmaceutical Society held on November 4 and 5 was a pair of ornamental candelabra in Sheffield plate, given to the Society by the president (Mr. D. W. Hudson) as a contribution to the collection of table ware which is being assembled for use in the Society's hall on ceremonial occasions. In reply to the thanks expressed to him on behalf of the Council and the Establishment Committee, THE PRESIDENT said that the candelabra had been acquired in Aberdeen during a recent tour of Scotland. They dated from about 1840. The Establishment Committee reported that several other contributions had been received for the silver and plate fund. It also expressed appreciation at a gift of sponges from Mr. W. Douch, Sevenoaks, for the Society's museum.

The Establishment and Organisation Committee's report noted that attendance at a meeting of Branch secretaries held at the Society's headquarters on October 1 was seventy-two, against fifty-seven at the 1957 meeting. The views of the secretaries on an increased Branch grant were reported to the Committee, which agreed to recommend an increase subject to the proviso that in no circumstances would any supplementary grant be made. The Council approved the recommendation to pay, as from March 31, 1959, at the rate of 6s. 6d. for each member or student within a Branch up to 300, and thereafter at the rate of 4s. 6d. a head, the present formula for calculating the Branch grant in the light of the balance in hand in any year being retained.

The Council's interim report on resolutions passed at the Branch Representatives' meeting in May was approved for presentation (see below). The number of vouchers received from Branch Representatives appointed to attend the Llandudno Conference was given as 203, from eighty-five branches, and costing £3,121. The Bristol meeting of the

Conference in 1957 was attended by 185 representatives from eighty branches, at a cost of £2,946.

The Education Committee deferred for twelve months consideration of the suggested research scholarship for overscas pharmacists. No candidate had obtained the minimum marks for the award of the Pereira medal, silver medal, or bronze medal, and THE PRESIDENT, acting on authority given to him by the Council, had directed that no award of them should be made for 1958.

Reports were received of the Intermediate examinations held in September. In England and Wales there were ten first entries, of whom two passed, two were referred, four failed, and two were absent. Of thirty-four re-entries, eight passed, five were referred, seventeen failed, and four were absent. Sixty-two candidates entered for a referred subject. Thirty-six passed, twenty-three being again referred, and three being absent. In Scotland there were three first entries, one of whom passed, one failed and one was absent. Of thirty-nine re-entries, eight passed, twelve were referred, fifteen failed, and four were absent. Twenty-eight entered for a referred subject, and eighteen passed, eight being again referred and two being absent. In September, one candidate entered for the Entrance examination in chemistry and passed.

The Public Services Committee was informed that many pharmacists had expressed concern at the wrong impression given at a coroner's inquest recently held in Croydon (see C. & D., November I, p. 468). The inquest followed a fatality caused by taking an overdose of a dispensed medicine. On the strength of the reply to a question given him by the pathologist in the case that he imagined the medicine should have been labelled "poison," the coroner had said that there was need for more care to be taken by chemists when making up prescriptions for Dangerous Drugs.

Letters explaining the correct position had been sent for publication in the newspaper by the Society, the National Pharmaceutical Union, and local officials. As a result of having his attention drawn to the matter by the Society, the pathologist had also written, correcting the statement made by him at the inquest.

Discussions on Proprietary Medicines

The Public Services Committee considered a report on the joint discussions between representatives of the Society, National Pharmaceutical Union, Association of British Pharmaceutical Industry, Proprietary Association of Great Britain, Chemists Federation and the Guild of Public Pharmacists on the problems of marketing and dispensing proprietary medicines. The discussions had been initiated by the Society, following a resolution by the Branch Representatives' meeting in 1956. It was noted that the representatives had referred to the Society a request that "the traditional procedure for dispensing proprietary medicines should be re-examined in the light of modern development." It was understood that the matter was already being considered by the Committee on the General Practice of Pharmacy. The Council, on the Committee's recommendation, received the report and agreed to its publication subject to the views of the other bodies.

The Public Services Committee reported noting that the General Assembly of the International Pharmaceutical Federation, Brussels, September, had unanimously approved a resolution from the Military Pharmacists' Section calling upon member-nations with no military pharmaceutical service to approach their Governments requesting that such a service should be established. Correspondence was also reported from the Ministry of Defence regarding the recommendations made by the Waverley Committee. It was agreed to make every effort to obtain consultation with Service authorities on the possible recognition of the pharmacist's position in the armed forces.

The Committee considered a letter from the Hinchliffe Committee drawing attention to certain questions addressed to the Central National Health Service (Chemist Contractors) Committee and inviting comment on those or any other matters touching on the Committees' remit. It was agreed that the president should be asked to accompany the representatives of the Central N.H.S. (Chemist Contractors) Committee when they appeared before the Hinchliffe Committee, and to represent verbally the Society's opinion that it would be an advantage if there were closer consultation between medical practitioners and pharmacists on problems arising in the prescribing and dispensing of medicines under the National Health Service.

Benevolent Fund

The Committee's report showed that grants amounting to £543 had been made to ten widows, four members, and one dependant of a member. Recommendations for grants amounting to £594 were approved. Nine applications for assistance were deferred, and in two cases no grant was made. From the Orphan Fund a grant of £208 was made in respect of two children. A grant of £25 from the Benevolent Fund, authorised by the chairman in a special case, was confirmed, and in another case a grant was increased by £26.

It was agreed to make a Christmas gift of £5 to each of the forty-nine annuitants from the Benevolent Fund, and from the Orphan Fund of £2 2s, each to four orphans. It was also agreed to give £2 2s, to each child aged under sixteen whose parents had received Benevolent Fund grants in 1958.

Gifts received for Birdsgrove House included two bedspreads for the Cardiff Room (from the Cardiff Pharmacists' Association) and a summer house in memory of the late Mr. B. Pugh Davies (from the Pembrokeshire Pharmacists' Association). The warden's report stated that, in the month to October 16, twenty-two guests had stayed at Birdsgrove House for an aggregate of thirty-four weeks,

against forty-nine guests and sixty-six weeks in the corresponding period of 1957. One contribution of £2 4s. had been received from a guest to supplement weekly payments. Gifts in kind were also recorded.

A report from THE LIBRARIAN on an International History of Pharmacy Congress, held in Venice, October 7–9, was received, and authority was given for its publication.

The Council noted the dates of meetings of the International Pharmaceutical Federation: Congress of Pharmaceutical Sciences (Zurich, September 6–9, 1959); council (Madrid, September 13–17); General Assembly (Copenhagen, August 29 to September 4, 1960). A reminder was given that the meetings of the British Pharmaceutical Conference in 1959 and 1960 were fixed for September 21–25 and 5–9 respectively.

It was reported that, in October, seventeen persons had been registered as "student," making 483 in the current year, against 746 at the corresponding date in 1957. Two former members of the Society had been restored to the register, and the Council accepted a recommendation that an applicant whose name was removed more than ten years ago should be similarly reregistered.

The Council approved the action of the secretary in making payments amounting to £3.323 and of the treasurer in paying accounts amounting to £31.653. It was also approved that the Trustees of the Pharmaceutical Trust should be requested to reimburse the Society the sum of £17,591 to cover grants made to schools of pharmacy; to research workers for maintenance and special apparatus, scholarship examination expenses; and expenditure on the muscum and library. On the Finance Committee's recommendation it was agreed to execute (in replacement of a similar Deed now expired) a Deed of Covenant for payment to the Pharmaceutical Trust of the net sum of £5,000 per annum for seven years, and to give authority to seal the Deed.

The Law Committee's report stated that during September the Society's inspectors and agents had visited 1,287 authorised sellers, nine listed sellers and 216 drug-store proprietors and similar traders. Twelve cases of alleged infringements under the Pharmacy and Poisons Act, 1933, Pharmacy and Medicines Act, 1941, and Cancer Act, 1939, were considered.

Action on Branch Representatives' Motions

The following interim report on resolutions passed at the Branch Representatives' meeting in May (C. & D., May 24. p. 561) has been presented by the Council:—

The Council are not yet in a position to report on the recommendation that official drugs with unwieldy titles should have a shorter title to encourage medical practitioners to prescribe by official titles.

The resolution that the Council should use its best endeavours to ensure that the supply of drugs and medicines for human and animal consumption should be restricted to pharmacists is in accordance with Council policy.

"... that all products containing poisons and antibiotics, should have a space provided for name and address of seller, also that there should be a new official schedule for antibiotics, as at the moment it is difficult to define what can or cannot be sold, especially when it is contained in cattle medicine and foods."

The subject of the first part of the above resolution has been under consideration by representatives of pharmaceutical organisations who have been discussing the marketing and dispensing of proprietary medicines following a resolution on the matter at the Branch Representatives' meeting in 1956. It is expected that a report on the outcome of the discussions will be published shortly. Regarding the second part the Council see no need for any change in the position as the law on the matter is quite clear. In the new edition of the *Pharmaceutical Journal* "Poisons Guide" which is being published early in 1959 there will be included a section dealing with antibiotics and giving a list of the various proprietary preparations.

(To be concluded)

KNOWLEDGE AND ETHICS

Dr. F. Hartley at Leicester prize-giving

DR. Frank Hartley, scientific services director of The British Drug Houses, Ltd., spoke upon knowledge and ethics when he attended Leicester College of Technology and Commerce to distribute

prizes on October 6.

Mr. Colin Gunn, as head of the school of pharmacy and this year's chairman of the Leicester Branch of the Pharmaceutical Society, performed a dual rôle, conforming to the tradition that the chairman of the local branch occupies the chair at the annual prize occupies the chair at the annual prize giving, and presenting his report as head of the school. Mr. Gunn spoke of the increased number of students coming forward; those attending the school now totalled almost 200.

Privileges and Responsibilities

Dr. Hartley's address emphasised that the privileges accorded a profession were accompanied by responsibilities. Knowledge and ethics were the basic requirements of professional responsi-bilities. The training for an examination required the pharmacist to appreciate new knowledge, which could be organised into the known existing framework. In that way information upon new drugs could be of service to the medical practitioner. Service to the medical profession should also be matched by service to the public. Mediocrity received its own reward, but "They will deserve more . . . who constantly strive to raise themselves above mediocrity."

Dr. Hartley defined ethics as the distinction between right and wrong. The "code of ethics" should be noted, but the conception of high standards required the exercise of personal respon-sibilities. He gave examples of the application of ethics in problems of nomenclature, patents and trade marks. Prior to 1950 the specifications were only concerned with the processes of manufacture. A change in the law in that year shifted the incentive of research from new methods of producing existing drugs to discovering new drugs with more advantageous properties. Infringement of patents was now more difficult than previously.

The complexity of chemical nomenclature required manufacturers to provide common usable names. The purchase-tax authorities, Poisons Board, and the Therapeutic Substances Act authorities recognised approved names only. As a result, the manufacturer had an incentive to obtain as soon as possible an approved name for a product in addition to his trade mark name. The Hinchliffe Committee overlooked the point that a manufacturer's interests demanded an approved name as early as possible. The choice of an approved name could not rest upon, for example, pharmacological action: other factors required consideration. But pharmacists must beware of substitution, even though compounds frequently had similar properties; an ethical consideration derived from technical advances.

Mr. Gunn paid tribute to Dr. Hartley for his address and for his advice to those on the threshold of their careers. Mr. Carter seconded the vote of thanks. Winners of Awards

The following received prizes:—

PRIZES PRESENTED BY THE LEICESTER AND LEICESTERSHIRE BRANCH OF THE PHAR-MACEUTICAL SOCIETY:

Intermediate Courses: Intermediate Ph.C., G. W. Ellis; Intermediate B.Pharm., B. M. Riyamy; Biology Prize, Miss A. P. Williams; Chemistry Prize, J. M. W. Vicary; Physics Prize, G. W. Ellis; B.Pharm. Course: First, A. J. Draper; Second, B. T. Hardy; Certificates of Honour: Pharmaceutics, H. Burns; Practical Pharmaceutics A. J. Draper: Phartical Phartical Pharmaceutics A. J. Draper: Phartical Pharmaceutics A. J. Draper: Phartical Phartical Pharmaceutics A. J. Draper: Phartical tical Pharmaceutics, A. J. Draper; Pharmacognosy, N. Westwood; Pharmaceutical Chemistry, B. T. Hardy; Physiology, R.

PRIZES PRESENTED BY DALMAS, LTD.:

Ph.C. Course, Second Year: First, Miss G. P. Blount; Second, J. D. Wykes; Certificates of Honour: Pharmacognosy, J. D. Wykes; Pharmaceutics, M. Down-Pharmaceutical Chemistry, Miss ward: G. P. Blount; *Physiology*, Miss A. R. Aspden; *Forensic Pharmacy*, Miss S. G. CERTIFICATES OF HONOUR IN THE Rowley. PH.C. COURSE: Pharmaceutics, D. Webb; Pharmacognosy, G. W. Crouch; Pharmaceutical Chemistry, N. Sutton; Physiology, D. Webb. Certificates of Honour in THE B.PHARM., FIRST YEAR: Pharmaceutics, Miss J. P. Barker; Pharmacognosy,

Miss J. P. Barker; *Pharmaceutical Chemistry*, C. J. T. Fisher; *Physiology*, Miss J. P. Barker. PRESENTED BY THE BRITISH DRUG HOUSES, LTD.: *Pharmacognosy*, shared by J. D. Wykes and N. Westwood. PRESENTED BY THE LATE MR. G. HANNAM: Dispensing proficiency trophy, B. J. Clarke. Presented by J. Richardson & Co., Ltd.: Dispensing prize, B. J. Clarke. PRESENTED BY UCAL, LTD.: Young Memorial prize, E. R. Roberts. PRESENTED BY EVANS MEDICAL SUPPLIES, LTD.: Pharmaceutics, shared by D. Webb and Miss J. P. Barker. PRESENTED BY BOOTS PURE DRUG Co.: Best student, first year, Ph.C. Course, D. Webb. Presented by Pfizer, LTD.: Best student, second year, B.Pharm. Course, A. J. Draper. Presented by Mr. A. R. G. Chamings: Outstanding merit, F. J. Hind. PRESENTED BY GENATOSAN, LTD.: Pharmaceutical Chemistry Prize: Ph.C., second year, Miss G. P. Blount; B.Pharm., second year, B. T. Hardy. Pre-SENTED BY RIKER LABORATORIES, LTD.: Ph.C. Course, second year: Pharmacology, Miss A. R. Aspden; B.Pharm. Course, second year: Pharmacology, R. Best;
Presented by Sturton & Sons, Ltd.: Forensic Pharmacy Prize, Ph.C., second year, Miss S. G. Rowley. "The CHEMIST year, Miss S. G. Rowley. "The Chemist and Druggist" Prize: Best contribution to "The Tonic," J. D. Wykes.

It was mentioned that Leicester students (Miss Sylvia Rowley and Mr. B. J. Meakin) had gained the Umney Memorial prize and Burroughs scholarship respec-

tively for 1958.

DRUG ACTION ON BRAIN

Current hypotheses "tentative and controversial"

IN conjunction with Imperial Chemical Industries, Ltd., the Manchester branch of the Guild of Public Pharmacists held a meeting on October 9, when Dr. Alfred Spinks, M.A., B.Sc., gave a lecture on "The Effects of Drugs on the Brain." About 100 members of the consultant staffs of the Manchester and district hospitals attended the lecture at the invitation of the chief pharmacist of their hospital. The main object of the lecture was to construct hypotheses explaining the actions of many drugs on the brain. It was emphasised that all hypotheses were controversial and tentative and served

mainly to encourage new research.

Dr. Spinks said the anatomical and neurophysiological properties of neuronal networks suggested that synaptic transmission may be the most important part of the nervous processes involved in reflexes, instinctive actions, learning and memory. Synaptic transmission was probably chemical not electrical, and was sensitive to two types of drugs: those affecting all excitable cells, and those interfering only with a single specific transmission process. The latter type of drug might interfere with transmission by blocking or potentiating transmitter synthesis, release or destruction, or by blocking potentiating or mimicking the action of the transmitter on the postsynaptic membrane. On the assumption that there were several central nervous transmitters, and that sub-units of brain have specific though interrelated func-tions, the type of drug interfering specifically with a single transmission process may be expected to have high specificity of action, and the drug acting on all excitable cells may be expected to have low specificity of action.

Those principles were illustrated by discussing the mode of action on the brain of the anæsthetics xenon, ether and Fluothane; and acyclic alcohols and amides; the hypnotic and anticonvulsant cyclic polyamides, barbitone, phenobarbitone, Mysoline and phenytoin; the stimulant caffeine; and the more recent sedatives, methylpentynol and meprobamate. All those drugs acted as general depressants (or excitants) of all excitable tissues, and that any apparent specificity of action seen could be due to one or more of three additional properties: first, a tendency to descending narcosis conferred by higher resistance of older vital centres to poisons, and by lower resistance of highly polysynaptic circuits serving higher functions; second, high sensitivity of some specific areas, for example, brain-stem reticular formation; third, possibility of greater action of anticonvulsant drugs on tetanic facilitation, rather than on the excitability or normal membrane bility or normal membrane.

The properties of drugs acting on specific transmission processes were then discussed in relation to the areas of brain concerned with mood or affect. Areas of rhinencephalon, hypothalamus and possibly brain-stem and thalamus were particularly involved and that 5hydroxytryptamine and noradrenaline were transmitters in those areas. properties of such drugs as chlorpromazine, reserpine, azacyclonol, BAS, lysergic acid diethylamide, iproniazid, amphetamine and mescaline were discussed and theories of action of each

advanced.

PHARMACY AND MODERN THERAPEUTICS

Sir Henry Dale's inaugural address to London students

THE 117th inaugural sessional meeting of the School of Pharmacy, University of London, which took place on October 8, was memorable for the address given by its guest speaker: Sir Henry Dale, O.M., G.B.E., F.R.C.P., F.R.S. Vivid and enthralling in the way it traced modern pharmaceutical research developments to their seeds in a single remarkable year less than seventy years ago, it was challenging in its forecast of where may lie the future responsi-bilities of medicine and pharmacy for solving problems their own successes have created. Sir Henry said:—It has become a commonplace that the period of less than sixty years since the opening of the present century has seen a revolutionary development in both the range and the effectiveness of the materia medica. The few most recent decades of this period have contributed more than their quota to that change, and there is no reason to doubt that the years ahead will see probably a continued acceleration. I am one of those who have watched that therapeutic transformation almost from its beginning, some aspects of it even from fairly close points of view. Such a revolutionary change, such an almost explosive expansion of the methods used in the medicinal treatment and prevention of disease, must involve a corresponding revolution in the range and the kinds of the materials required for such treatment, in the ways in which they must be prepared and provided, and in the methods and the responsibility for controlling their identity, their purity and their potency.

Medicines of Childhood

My own childish memories recall a small cupboard, in which my mother carefully preserved two little bottles of tiny sugar pilules containing, no doubt, the medicaments named on the labels, though in the microscopic dosage required by the homœopathic doctrine. Unless my memory betrays me, the two my mother kept were labelled as containing, respectively, aconite, concerning the toxic properties and external applications of which I was to be taught many years later, and pulsatilla, which I do not think that I have since encountered in any other connection. We were given, and quite easily swallowed, one of each of these pilules for every minor childish ailment—excepting, of course, constipation, for which obviously effective family remedies were always at hand. No member of our family having been so unfortunate as to suffer from heart disease, or acute rheumatism, we never, I think, required treatment with any of the few remedies with definite activities then to be found in the Pharmacopæia, such as digitalis, or sodium salicylate. Thus I grew to the age of about sixteen years without any direct experience to provide a basis for a belief in medicinal treatment as ever likely to have a definite or recognisable effect.

Even when what I think of as the great therapeutic transformation was well established, there were, probably

still are, physicians prepared to regard the earlier position with a kind of nostalgia, openly proclaiming their determination to continue the use of traditional and obsolescent remedies, not from any diehard belief in their activity, but for the very reason that they are admittedly without any.

"A Great Turning Point"

The year 1891, among those of my adolescence, stands out in my imagination as representing a great turning point for medicinal methods of treatment. Events which seem to me to have given such a determinant importance to this period of and about the year 1891, are the first successful treatment of myxœdema by administering thyroid gland, the early evidence, in itself almost entirely and even tragically discouraging, of Robert Koch's attempt, begun in the previous year, to treat tuberculosis with tuberculin; Von Behring and Kitasato's discovery of the bacterial antitoxins, and especially of the diphtheric entitoxins and Ehr of the diphtheria antitoxin; and Ehrlich's early attempt at the chemotherapeutic treatment of malaria with methylene blue. I should like to call your attention, in a little more detail, to the nature and the range of such more recent developments as we may reasonably trace to each of those starting-points. Characteristics common to all of them, and distinguishing them from almost all earlier therapeutic innovations, are that each represented a different effort to remove the cause of a disease and not merely to relieve its symptom. Each came as the climax and practical outcome of a relatively long period of purely experimental research.

The only one of these therapeutie discoveries which, in 1891, made a direct impact upon my youthful imagination, was, as it happened, the treatment of myxædema with thyroid gland. Sir William Gull had described and named the disease, and had recognised its association with thyroid atrophy. Gley in France and Victor Horsley in London had studied the experimental production of the disease by extirpating the thyroid gland while preserving the parathyroids. Suddenly came news that Dr. George Murray, a young physician in Newcastle, had tested the possibility of treating a ease of mywordena by injecting an actual of the contract of the contr of myxœdema by injecting an extract of fresh thyroid glands from sheep, and had achieved a remarkable success. Then the fresh and eventually the dried thyroid substance was successfully given by mouth. What left me with such a vivid, boyhood memory of this discovery was, of course, the rapidity with which its application restored, to apparently normal health, the wife of a close friend of my father and one who, till then, had appeared to be irrevocably doomed to a miserable death. I think I must have received subconsciously an impression of the essential novelty of discovering a remedy, not by empirical observation, but by a logical application of the results of experimental research.

For the first time a disease was treated by the direct, artificial replacement of what was missing. Who can say, not merely whether insulin would have been discovered thirty years later, but whether an attempt to discover it might even yet have been made, if the successful use of thyroid had not first shown the possibility, in principle, of such a replacement therapy? We might credit the thyroid hormone itself with yet another kind of pioneering function, in that, a quarter of a century after the first successful use of the gland substance, it was the first of these metabolic hormones to be separated in crystalline form, by Kendall in the Mayo Clinic, and then again, about twelve years later, the first of them to be structurally identified and synthesised.

Steroid Hormones

When the thyroid action was first discovered, nothing was known about the suprarenal glands, except atrophic condition in Addison's disease, and nothing at all about the function of the pituitary body; and, although the production of diabetes by extirpation of the pancreas had been observed a year earlier, there was yet no com-munity of opinion, even with regard to the meaning of that effect. The two hormones of the pituitary posterior lobe have now been used in therapeutics for half a century, and in the past few years we have seen their separate complex structures determined, and actually confirmed by synthesis. My own ageing memory cannot, I think, be expected to retain the names even, to say nothing of the structures, of all the steroid hormones which have been isolated, structurally identified synthesised, as characteristic products of the gonads and the suprarenal

Look now again at the results which have followed from the enterprises in immunological treatment of that same year, 1891. The diphtheria antitoxin was the first ready-made antibody to be made really effective against an already active disease of infection, while the corresponding tetanus antitoxin found its main use in prophylaxis. attempt to produce a curative immunisation against an existing tubercular infection had been a failure; but the stimulus had been given for studying, more systematically, the possibilities of pre-immunisation against diseases with bacterial toxins, and methods were thus found for depriving the toxins of their toxicity while retaining their immunising properties, so that the protective pre-immunisation of populations, or armies came to be used with great effect against diphtheria and tetanus, as well as against other kinds of infection.

There have been other immunising inocula, consisting of killed bacterial cultures, as in the inoculation against typhoid fever, or of viruses grown in tissue cultures and then killed, as in the protection of children against poliomyelitis.

Much the least conspicuous of the several pioneer therapeutic enterprises which I have mentioned was Erhlich's trial of methylene blue as a remedy for malaria. I would undertake with some confidence to present a case for that work as having eventually provided the most widely effective stimulus of them all, in view of the extent and variety of the therapeutic achievements that can already be credited to the new line of researches which Erhlich thus initiated. Though Ehrlich's trial of methylene blue in malaria had, in practice, more than a partial success it had the novel character that the substance was tried as the direct result of the experimentally observed affinity of methylene blue for the malarial parasites. There, I think, was the first, though now the almost forgotten germ of the new system of research on the treatment of infections, which Erhlich himself was to call "chemotherapy." I was myself in Ehrlich's laboratory when, with his Japanese collaborator, Shiga, he took the next step along this new route with the discovery of trypan red. And then, of course, came salvarsan, and a number of other arsenical and of anti-monial derivatives, effective against various protozoal and helminthic infec-tions. There is now an impressive range of remedies which is certain to extend against these and other dangers to life and health in the tropics.

The chemotherapy of bacterial infections seemed long to lag behind, having no real success until, suddenly, the sulphonamides came, and after them penicillin, and all the variously effective antibiotics. To those of my generation it seems that a large proportion of the diseases, which our parents still specially dreaded for themselves and their families, have thus been practically eliminated, and largely by the use of a range of methods and materials for really effective medicinal treatment.

I dare not allow myself to go beyond a passing mention of the modern flood of symptomatic remedies, though many

a passing mention of the modern flood of symptomatic remedies, though many are now as clearly based upon the results of experimental research as are those which deal with causes. I should not wish to be misunderstood as failing to recognise the value of good symptomatic treatment. From the point of view of a patient, though he may be quite ready to submit eventually to a course designed to remove the cause of his trouble, his more immediate concern is often for relief from his symptoms.

Benefits Conditional

I suppose it will seem natural to nany to think that the application of scientific discoveries in practical meditine may be regarded as purely and inconditionally beneficial to mankind. It seems to me, on the other hand, that we are bound to give serious attention o the doubts expressed by others, who have been considering what may be its results at a longer range, but in a uture not too remote. We are being varned that our modern medicine, by ts very success, seems destined to proluce a more insidious, but not less cerain peril, to the permanence of our uman race, if we just leave things to ontinue on their present course. Those varnings have nothing to do with

abuses of self-medication, or with the dangers of addiction, but only with what can be foreseen as inevitable effects, upon world conditions, of medical practice and policy at their ethical and scientific best. It is predicted that the total population of the world, at present about 2,000 millions, will double itself again in about the next half century, and will then begin to threaten to outgrow the possibilities of provision for its own subsistence. Apart from any question of quantitative precision, I do not think that it can be doubted that the threat is there, or that its realisation cannot be long delayed unless something is done to prevent it.

Pharmacy's Responsibility

It is surely proper to recognise the major share which medicine and pharmacy must accept in the responsibility for that prospect of an ultimate imbalance between the world's population and its material resources. I think, indeed, that we ought to begin to ask ourselves, what we are going to do about it. Is anybody going to suggest that researches in medicine and pharmacy should be halted, or that the application of what they have already made available, and will continue to offer for the still more effective mastery of disease and saving of life, should be in any way restricted? We may be sure that any such suggestion would encounter the fierce opposition which it would deserve.

We may regard it as certain that nobody will tolerate the idea of preventing the eventual overpopulation of the world by withholding the ever more effective means for the preservation of post-conceptional lives. tion of post-conceptional lives. That has been, and will remain, the accepted function of medicine, and of pharmacy as its associate. That being so, medicine and pharmacy must find some other way of meeting their share of responsibility for the imbalance which they are so efficiently helping to create, and for the ultimate human tragedy which it threatens. The only way left open to them seems to be an way left open to them seems to be an extension of their proper and recognised function to the regulated control of the production of the new lives, for the preservation of which, when once they have been produced, they will still be bound to use their best available and ever improving knowledge and means. It seems to me, indeed, that there is much to be gained by removing this matter of birth-control from whatever remains of its furtive associations so that it may be recognised as tions, so that it may be recognised as a most important aspect of the duty of medicine and pharmacy to the future, to the already not very distant future, indeed, of humanity. I think that the time has come when we should advocate that the whole subject should be discussed at the highest levels, in all its aspects, and raised to the full dignity of a proper and important objective. for all that the best of medical and pharmaceutical research might be able to offer towards its eventual solution. Social and moral traditions seem to me only to increase the urgency.

Sir Harry Jephcott (chairman of the School council) presided at the in-

augural meeting, and the work of the School during the year was reported on by the dean (PROFESSOR W. H. LINNELL) from whose report the following items are extracted:

The 116th session of the school saw the department of pharmacology in residence in the new building during the Easter vacation but once again I have to report that the promise that all essential teaching facilities would be ready for occupation has not been fulfilled.

During the forthcoming session the increased intake will result in there being forty-eight students in residence in each of the first two years of the course. All students qualified to enter the Pharmaceutical Society's diploma course will, in future, be also qualified to enter the Universities. The declared policy of the Pharmaceutical Society is to welcome the day when entrance into the profession shall be solely through the Universities. It will be necessary for the Universities in the near future to provide facilities for at least double the present number of students of pharmacy. It must be admitted that the accommodation is not sufficient to meet the need created by the modern trend of pharmaceutical education and policy. Mention was made in last year's report of the difficulties the Universities face owing to Governmental restriction of financial support. I am happy to report that, in recognition of the services rendered by the School of Pharmacy to pharmaceutical education and research, the Council of the Pharmaceutical Society of Great Britain has made a special grant of £2,000 towards general purposes.

DEVELOPMENTS IN THE UNITED STATES

Hormone for Preventing Miscarriages

A team of chemists at the Upjohn Co., Kalamazoo, Michigan, has synthesised a new hormone, 6α -methyl- 17α -acetoxy-progesterone (Provera), which may be effective in preventing miscarriages and premature births. A standard potency test, in which the drug was injected under the skin, showed it to be fifty to sixty times as active as progesterone.

Acetazolamide in Glaucoma

A team of doctors at Johns Hopkins University, Baltimore, Maryland, conducted a study with twenty-four glaucoma patients who were given acetazolamide (Diamox), over a three-year period. The investigation revealed that pressure within the eyes of twenty-one patients was relieved by the drug, whereas all other previous medical therapy had failed. When the therapy was halted, eye pressure increased to approximately pre-therapy levels. The drug appears to be relatively safe and, while side-effects occur, they are rare. Patients' vision was maintained in many cases where the medical outlook would have been poor without such therapy. The preparation is not a cure for glaucoma, since it cannot open the small drainage canals in the eye to relieve pressure, but its inhibitory action can soften the eye, halting further damage.

TRADE MARKS APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," October 22

For all goods for sale in the United Kingdom (5) HOLADIN, 779,101, by Bayer Products, Ltd., Kingston-on-Thames, Surrey.

For cameras and parts thereof (9)
PAXETTE PAXINA, 774,499-500, PAXETTE, PAXINA, 774,499-500, PAX, 776,093, by Carl Braun Camera-Werk, Nürnberg, Germany.

For cinematographic apparatus (9)

CAMEMATIC, 775,795, by André Coutant & Jacques Mathot, Paris, France.

For photographic transparency slides (9) Device of word PER-O-SLIDE, 777,727, by A. Perrot, Nidau-Bienne, Switzerland.

From the "Trade Marks Journal," October 29 For chemical substances for use in agriculture and horticulture; seed dressings (1) and insecticides, fungicides and weed killing preparations (5) DECASAN, 779,317-18, by Plant Protection, Ltd., Yalding, Kent.

For perfumed soaps, perfumes, non-medicated toilet preparations and cosmetic preparations (3) GALA VELVET FINISH, 763,403, by Gala of London, Ltd., London, W.1.

For soaps, detergents (not for use in industrial manufacturing processes); and cleaning, polishing, scouring and abrasive preparations (3) FLUFFO, B768,064, by Thomas Hedley &

Co., Ltd., Neweastle-on-Tyne.

For non-medicated toilet preparations for the hands (3)

Device, 775,906, by Master Vending Machine Co., Ltd., London, N.W.2.

For cleansing lotions and cream, all being nonmedicated toilet preparations; and soap, toilet

waters, lipsticks and perfumes (3)
TRESPORT, 776,174, by Maison Tschanz,
Comptoir de la Parfumerie, S.A., Geneva, Switzerland,

For perfumes, non-medicated toilet preparations, essential oils, cosmetics and hair lotions (3) WELLAFLEX, 778,291, by Wella Rapid, Etd.,

London, N.W.1.

For all goods for sale in the United Kingdom ror all goods for sale in the Onlied Kingdom and for export except to Aden, British and French Guiana, Surinam, Barbados, Leeward Islands, Guadaloupe, Martinique, Grenada, St. Vincent, St. Lucia, Puerto Rico, Somaliland Protectorate, French Somaliland, the United Nations' Trustee Territory of Somaliland, Eritrea, Hejaz, Ethiopia, Northern Rhodesia, Southern Rhodesia, Nyasaland, Colombia, Dominican Republic, Haiti, Jamaica, Panama, Gibraltar, British Hon-Republic, duras and the British Solomon Islands; but not including starch or blue (3)

Device with word SHELL, 776,195, by Shell Petroleum Co., Ltd., London, E.C.3.

For non-medicated toilet creams (3) and medi-

cated creams for the skin (5)
LANOVIT, 779,356-366, by Dae Health
Laboratories, Ltd., London, W.1.

For all goods (3) (5) VITACRIN, 777,275-76, by International Import and Export Corporation, Ltd., Nassau,

For pharmacentical preparations for the treatent of psychosomatic disorders (5) UCERAX, 769,250, by Union Chimique Belge,

S.A., Brussels, Belgium,

For pharmaceutical products for the treatment of disorders of the gastro-intestinal tract and being for sale in Great Britain (5)

MILPATH, 770,403, by Pretested Products, Ltd., London, E.C.2.

For pharmaceutical preparations containing glandu-

lar extracts and amines (5)
TESTAMINE, 774,898, by H. & F. Kirby & Co., Ltd., London, N.W.2.

For pharmaceutical preparations (5)

REGLAGINE, 774,899, by H. & T. Kirby & Co., Ltd., London, N.W.2.

For pharmaceutical preparations in the form of pills, powder or ointment, all containing anti-biotics and analgesics and being for use in the treatment of sores, tumours and the like dis-

MONORUBIN, 775,144, by Dr. Bernhard A.

Makiola, Institut für Arzneimittelforsehung, Vaduz, Liechtenstein.

For pharmaceutical preparations for the treatment of spasmodic afflictions (5) LICAROS, 776,558, by Union Chemique Belge,

S.A., Brussels, Belgium.

For sanutary towels, surgical dressings and band-

SURGITEX, 777,105, by Cyril Lord Enter-prises, Ltd., Belfast, Northern Ireland.

For all goods (5)

TRIPLOMIN, 777,542, by Glaxo Laboratories, Ltd., Greenford, Middlesex, SIDROS, 778,112, by Horlicks, Ltd., Slough, Bucks, KIDISOL, 779,932, by T. W. Stearne (Chemist), Ltd., Manchester, 15.

For pharmaceutical preparations and products (5) EQUATRATE, 777,942, by American Home Products Corporation, New York, U.S.A.

For pharmacentical substances for human and veterinary use; and sanitary substances and dis-

NORPERTEN, 778,601, PRASITOL, 778,447, by Imperial Chemical Industries, Ltd., London, S.W.1.

For pharmaceutical anti-diabetic preparations (5) DIABINESE, 779,009, by Chas. Pfizer & Co., Inc., New York, U.S.A.

For all goods for sale in the United Kingdom (5) PANAFORT, 779,102, by Bayer Products, Ltd., Kingston-on-Thames, Surrey,

For dietetic foods flavoured with coffee, being goods in liquid and powder form (5)

BISKCAFE, 779,323, by Andomia Products, Ltd., Bradford, Yorks.

For photographic apparatus and optical instruments and parts and fittings (9)

BELFOCA, 779,241, by Veb Kamera-Werke Niedersedlitz, Dresden, Germany.

For parts of surgical, medical, dental and veter-

made of polypropylene resin plastics (10)

MOPLEN, 776,688, by Montecatini Società
Generale per l'Industria Mineraria E Chimica, Milan, Italy.

For bags made of plastics prepared for surgical purposes and for use in the post-operating treatment of patients (10)

CHIRONSEAL, 779,249, by Down Bros. and Mayer & Phelps, Ltd., Mitcham, Surrey.

PRINT AND **PUBLICITY**

PUBLICATIONS Booklets

CHILEAN IODINE EDUCATIONAL BUREAU, House, Ropemaker Street, London, E.C.2:



DISPLAY "DISPENSER": Horlicks, Slough, Bucks, are distributing to the trade the wire "dispenser" here shown. Designed to encourage consumers to serve themselves, the unit holds 2 doz, packets, and measures 6 in, wide x 10 in, high, The wire is stove-cnamelled white and the plate at the top is in the "honse" colours (cream, blue and red). The unit may

conveniently be loaded with I doz, plain and doz, chocolate-flavoured Horlicks tablets.

SHOWCARD SIGN: Left, a colourthree-dimensional counter showcard (door of medicine cabinet held open by product package illustration) for De Witt's autibiotic throat lozenges (see C. & D., October 18, p. 415), and right, open/closed door sign with non-slip suction Both items buk current Press advertising.



Current Iodine Literature, 1110-1251, Vol. 5, No. 9, 1958. 1252-1391, Vol. 5, No. 10, 1958. HENRY WIGGIN & Co., LTD., Thames House, Millbank, London, S.W.1: "Wiggin Nickel Alloys v. Caustic Alkalis."

TRIDENT BOOK CENTER, 49 Aaigen Street, Genth, Belgium: Chemical Publications, Abstracts and Bibliochemie, July (9-p. booklet),



TOPICAL: Showcard for Adexolin capsules available on request from the makers, Glaxo Laboratories, Ltd., Greenford, Middlesex.



ACQUISITION OF CLINICAL PRODUCTS LTD. BY ASPRO-NICHOLAS

As a result of the purchase of Clinical Products Ltd. by Aspro-Nicholas Ltd., the ethical pharmaceutical products of the former company will, as from November 17th, be marketed by the

Aspro-Nicholas Ltd. (Ethical Pharmaceutical Division)

This refers to the following products:—

'ARTHRIPAX'	'MENOVO'
'ASMAPAX'	' POLYCREST
'BARBIDEX'	'SEDALTINE'
'DEXTEN'	'SPASTIPAX'
'DORMIPRIN'	'UNIPRIN'
'MENOPAX'	'VIREDRIN'

All products formerly handled by A. & G. Nicholas Ltd., will also, as from the same date, be marketed by the

Aspro-Nicholas Ltd. (Ethical Pharmaceutical Division)

The product 'PERSOMNIA' formerly owned by Clinical Products Ltd., will, as from November 17th, be marketed by the

Aspro-Nicholas Ltd. (General Products Division)

WHOLESALERS

On and after November 17th, please send all orders for ethical pharmaceuticals to:—

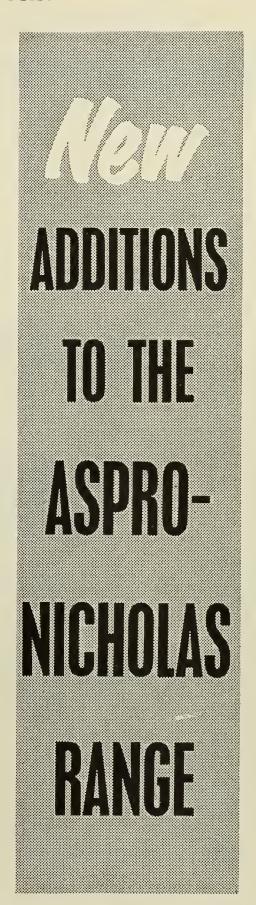
Aspro-Nicholas Ltd. (Ethical Pharmaceutical Division)

(Ethical Pharmaceutical Division)
225, Bath Road, Slough, Bucks.

For 'PERSOMNIA' to :-

Aspro-Nicholas Ltd. (General Products Division)

(General Products Division)
225, Bath Road, Slough, Bucks.



Deltacortril is prescribed by name more often than any other brand of prednisolone

ARE
YOUR
PRESENT
STOCKS

That is why Deltacortril simplifies your stock problem. When you stock Deltacortril you can fill most of your brand-name prescriptions and all prescriptions which simply call for "prednisolone".

Tablets of I mg. Deltacortril in bottles of 100 and 500. Scored tablets of 5 mg. Deltacortril in bottles of 20, 100, 500 and 1,000.

ADEQUATE?

PFLZE
100 TABLETS
Delta Cortr
19 vedes solones
5 rang.
And Spranner, Annual parameters
2 range 100 to 100 t



TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, NOVEMBER 12: While LIQUORICE natural root remained scarce on the spot, block juice was reduced by 10s. per cwt.

LOBELIA HERB for shipment eased slightly. with Dutch and American materials down twopence and threepence per lb. respectively. AGAR was threepence per lb. lower at 10s. 6d., whilst business was done in BALSAM TOLU, B.P., and CAMPHOR powder at sixpence per lb. under previous quotations. Chinese MENTHOL on the spot and Brazilian for shipment, were also down sixpence per lb. Spot holders of Cassia bark did not follow the higher prices asked at origin, and consequently shipment rates were in excess of those for spot material. White Sarawak PEPPER advanced one penny to 2s. 8d. per lb. following increased demand and short offerings. GUM ACACIA was also marked up on the spot by 5s. per cwt.

An interesting development ESSENTIAL OILS was the withdrawal by Formosa from the CITRONELLA market. It was reported that their quota of oil for export had been sold and no more was to be offered for the time The decision has taken the market unawares, since considerable quantities were booked for November-December shipment, which cannot now be met. Prices of oils, where changed, moved against the holders. Lower per lb. were Bois de Rose by sixpence, Chinese and Brazilian Peppermint, both by threepence and Lemongrass by three-halfpence. VETIVERT and Bourbon GERANIUM were both reduced by 5s. per 1b.

Pharmaceutical Chemicals

Antimony salts.—Quotations for potassium tartrate B.P., are 7s. 6d. per lb. for 1–10 cwt. and sodium tartrate, B.P., 12s. 6d.

CALCIUM CHLORIDE. — B.P. crystals are 3 $\frac{1}{2}$ d., and granulated, $10\frac{1}{2}$ d. per 1b. in 1-cwt, lots.

CALCIUM SUCCINATE. — Quotations are from 10s. 6d. to 12s. 6d. per 1b., as to quantity. SUCCINIC ACID is from 10s. 6d. quantity. Succinic to 12s. 3d. per lb.

CHLOROCRESOL. — Pharmaceutical quality is quoted at 7s. 2d. per lb. for 1-cwt. lots.

CREAM OF TARTAR.—Rates for the home trade are now as follows:—1-ton lots, 231s. per cwt.; 10-cwt., 232s.; 5-9-cwt., 233s.; 2-4-cwt., 234s.; 1-cwt., 235s.

Gallic acid.—B.P. is 10s. 7d. per lb. for 1-cwt. lots. Technical grade is 9s. 9d.

HYDROCYANIC ACID. — Dilute B.P.C. is from 3s. 2d. to 4s. per litre, as to quantity; Scheeles is from 3s. 10d. to 4s. 9d.

HYDROGEN PEROXIDE. — Carboy lots of 20 vols, are 5s. per gall. The 35 per cent. (by weight) is 158s. per cwt. in 1-cwt. car-

KAOLIN.—In 1-cwt. bags LIGHT is quoted at 60s, per cwt. and 1-ton lots at 57s.

Lactose.—English, in 1-ton lots packed in 1-cwt. paper-lined sacks, is £129 10s. per ton, delivered in the United Kingdom.

MANDELIC ACID.—In 1-cwt. lots the price is 12s. 6d. per lb., with the CALCIUM SALT also 12s. 6d. SODIUM MANDELATE is 13s. and AMNONIUM MANDELATE 50 per cent. solution, 7s, 6d.

MERCURY DERIVATIVES.—Quotations (per kilo) for less than 50-kilo lots are now follows:—AMMONIATED, B.P., lump or powder, 58s. 9d.; PERCHLORIDE, B.P., powder, 50s. 9d. and lump, 51s. 9d.; SUBCHLORIDE (calomel), B.P., 58s., OXIDES, yellow, B.P., 61s. 6d.; red B.P.C., 1949, 62s. 6d.

METHOIN.—B.P. is about 120s. per lb.

METHYL SALICYLATE.—Five-ton lots are 3s. per lb.; 1-ton, 3s. $0\frac{1}{2}$ d.; 10-cwt., 3s. 1d.; 5-cwt., 3s. 2d.; 1-cwt., 3s. 3d.

METOL. — In 1-cwt. lots the price is 24g. 6d. per 1b.

PAPAVERINE. — Synthetic HYDROCHLORIDE is 295s. per kilo, minimum 1-kilo lots.

PARALDEHYDE. — B.P. in 12-winchester lots is 2s, 7d, per lb.; 10-gall, carboy, 2s, 2d., and 5 carboys, 2s. Stabilised in 40-gall, drum lots, 166s, per cwt.; technical, 149s. per cwt.

PHENACETIN. — In 5-cwt. lots makers' price is now 6s. 8d. per lb.; 1-cwt., 6s. 9d.

PHENAZONE. — Imported material minimum rate, 13s. 10d. per lb.

PHENOL.—Basic price for ice crystals in drums is 1s. $4\frac{1}{2}$ d. per lb. (under 1-ton lots, 1s. $7\frac{1}{2}$ d.). Detached crystals, 2d. per lb. above and Liquid, B.P., $\frac{3}{4}$ d. per lb. below the foregoing prices.

PHENOLPHTHALEIN.—Rate for 1-cwt, lots is 11s. per lb.

PHENYTOIN SODIUM. — B.P. is 23s. pt lb. in 1-cwt. lots or 25s. less than 56 lb.

PILOCARPINE.—In 2-kilo lots prices are: HYDROCHLORIDE, 1,013s. per kilo; NITRATE,

PIPERAZINE. — ADIPATE is from 32s. 6d. to 36s. 6d. per kilo; citrate from 32s. 6d. to 36s. 6d.; IIEXAHYDRATE, 19s. 6d. and TATRATE, 38s. 6d.

POTASH SULPHURATED. — Lump, B.P.C., is 2s, 4d. per lb. in 1-cwt. lots.

POTASSIUM BICARBONATE. — B.P. powder is 110s, per cwt. 1–4-cwt, lots and 105s, per cwt, for 5-cwt, and over.

Potassium bromate.—In 5-cwt, lots the price being asked is 5s. 3d. per lb.

POTASSIUM CHLORIDE. — In 1-cwt. lots B.P., is 1s. 6d. per lb.

POTASSIUM HYDROXIDE.—B.P. sticks are from 6s. 8d. per 1b. and pellets, 5s. 1d.; technical flake, 1s. 4d.

8-HYDROXYQUINOLINE POTASSIUM 1 kilo is 47s. 1d. and 50 kilos, 44s. per kilo.

Potassium Nitrate. — Pharmacopæial quality is 100s. per cwt. (crystal or powder) in 1-cwt. lots.

POTASSIUM PERMANGANATE. — Current rate for B.P. material for 1-cwt. lots is 1s. 11d. per lb. Technical is 204s. 6d. per cwt. and £193 10s. per ton.

POTASSIUM QUADROXALATE. — One-cwt. lots are 3s. 6d. per 1b.

POTASSIUM SULPHATE. — One-cw are from 1s. 2d. to 1s. 3d. per lb. → One-cwt. lots

POTASSIUM THIOCYANATE.—One-cwt. lots are 5s. 6d. per 1b.

RESORCINOL.—1-cwt. lots are now quoted at 13s. per lb. by manufacturer.

SALOL.—Quotations for B.P.C. are about 9s. per lb. for 1-cwt. lots.

SULPHOCARBOLATES.— SODIUM PHENOSUL-PHONATE, B.P.C., 1949 (powder) is 5s. 6d. per lb. in 1-cwt. lots and ZINC, B.P.C., 1949, is 5s. 6d.

SULPHUR. — B.P. PRECIPITATE in 1-ton lots is £120 per ton, delivered ex works.

Tartaric acid. — Rates for the home trade are as follows:—10-cwt. lots, 290s. per cwt.: 5-9 cwt., 292s.; 2-4 cwt., 294s.; per cwt.; 5-1-cwt., 295s.

TERPINEOL. — Prices of B.P. grade are from 3s. to 3s. 6d. per lb. as to quantity.

TERPIN HYDRATE. — Prices are from 6s. per ib., upwards as to quantity.

THEOBROMINE. — ALKALOID in 50-kilo lots is 55s. per kilo (25s. per lb.) and sodium salicylate, 44s. 6d.

THEOPHYLLINE,—ALKALOID (50-kilo lots):
ANHYDROUS, 39s. per kilo and B.P.,
36s. 3d.; AMINOPHYLLINE, 36s. 3d. per kilo.

UREA. — Manufacturers' rates for pharmaceutical grade are £63 per ton in 1-cwt. bags non-returnable. Technical quality is £44. 10s. per ton.

Alcohol

British spirit per proof gall.:—
Ethyl Alcohol: (95 per cent. Gay Lussac. 66 o.p.); where the number of proof gall. taken over any one year ended March 31 is 300,000 or over 4s. $0\frac{1}{4}d$.; 200,000 and less than 300,000, 4s. $0\frac{3}{4}d$.; 100,000 and less than 200,000, 4s. $1\frac{1}{4}d$.; 50,000 and less than 100,000, 4s. $1\frac{1}{4}d$.; 2.500 and less than 50,000, 4s. $2\frac{1}{4}d$. Prices are exclusive of duty and arc for tank wagon lots. In 40-gall, drums there is a surcharge of 1d. per proof gall. The following grades are subject to a premium on the above prices as set out in the next paragraph: paragraph:-

Absolute Alcohol, 95.5 per cent., 74.5 Absolute Alcohol, 95.5 per cent., 14.5 o.p., 3d. more per proof gall., the special high strength (99.9 per cent., 75.2 o.p.), 5d. more. Doubly Rectified Alcohol (S.V.R.) 95.8 per cent., 68 o.p., is 3d. more and P.I. Rectified Alcohol, 96.1 per cent., 68.5 o.p., 8d. more. R. R. Absolute Alcohol (re-rectified, 99.7 per cent., 75 o.p.), 14s. 10d. per bulk gall. net.

Methylated Spirit

METHYLATORS' rates per bulk gall, in Great Britain are as follows:—

Great Britain are as follows:—

Industrial Methylated spirit: Strength 61 o.p., 500 gall. and over, 5s. 11d.; 100 gall. and under 500 gall., 6s. 2d.; 40 gall. and under 100 gall., 6s. 5d.; 10 gall. and under 40 gall., 6s. 10d.; 5 gall. and under 10 gall., 7s. 3d. Strength 64 o.p., ½d. per gall.; 66 o.p. (B.P.), 1d.; 68 o.p., 3½d. more than the above rates with 74 o.p. at 6s. 8½d., 6s. 11½d., 7s. 2½d., 7s. 7½d. and 8s. 0¼d. per gall. for similar quantities. Tank wagon delivery is 1½d. per gall. off list price—minimum, 500 gall. For industrial methylated spirit of standard toilet quality prices are from 7s. 2½d. (tank wagon) for 500 gall. to 8s. 8d. for 5–10 gall. (in drums) for 61 o.p.

Pyridinised industrial methylated spirit:

Pyridinised industrial methylated spirit: Strength, 66 o.p., 500 gall. and over, tank wagon delivery, 6s. 2d.; 100 gall. and under 500 gall. (in drums), 6s. 6½d.; 40 gall. and under 100 gall., 6s. 9½d.; 10 gall. and under 40 gall., 7s. 2½d.; 5 gall. and under 10 gall., 7s. 7½d.

Mineralised methylated spirit: Strength 64 o.p. in one delivery, 100 gall. and under 500 gall., 6s, $6\frac{1}{2}$ d.; 40 gall. and under 100 gall., 6s, $9\frac{1}{2}$ d.; 10 gall. and under 40 gall., 7s. $2\frac{1}{2}$ d.; 5 gall. and under 10 gall.,

Methylated resin finish is 3d. per gall. over and methylated shellac finish is 1s. per gall. over the prices of pyridinised methylated spirit.

Terms: Deliveries free and paid on returned empties; net cash.

Crude Drugs

- Spot supplies of Spanish ACONITE. napellus are 2s. 6d. per 1b.

AGAR.—Kobe is 10s. 6d. per lb., duty paid; for shipment, 8s. 4½d.

ALOES. — Cape prime on the spot is 230s, per cwt. and for shipment, 210s.,

ANISE (STAR).—Chinese is 110s. per cwt. c.i.f. and 130s. spot, duty paid.

BALSAMS. — Quotations per lb. are:—CANADA: Spot, 23s. COPAIBA: Para from 7s. 6d. to 9s. 6d., duty paid. PERU: Spot. 9s. 10d. in bond. Tolu (genuine as imported): 24s., B.P., 16s. 6d.

BENZOIN.—Sumatra block on the spot is £22 to £28 as to quality. No. 1 for shipment, £23 10s.

BUCHU.—Spot rounds are 6s. per lb. and shipment, 5s. 9d., c.i.f.

CALAMUS.—Root is quoted at 1s. 4d. per lb., c.i.f.

CAMPHOR.—B.P. POWDER is from 4s. 6d. per lb., duty paid. TABLETS, \frac{1}{4}-oz., are 6s. in bond.

CAPSICUMS. — East African are from 150s. to 200s, per cwt. on the spot.

CARDAMOMS.—Alcppy greens are offered on the spot at 16s, per lb.; November shipment is 13s. 3d., c.i.f.; Seeds, spot, 24s. 3d.; shipment, 20s. 6d., c.i.f.

Cascara.—Spot 1957 peel, 260s. per cwt. 1958 peel, shipment, 250s., c.i.f.

Cassia.—Extra-selected broken for shipment, 242s. 6d.; 210s. c.i.f. Spot: Whole 235s. and selected 230s., both in bond.

CHERRY BARK.—Thin natural is 1s. 5d. per lb., and rossed is 1s. 1Id.

CHILLIES. — Spot Mombasa are 185s. per cwt. and Zanzibar, 225s.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb., OOOO, 7s. 3½d.; OOO, 7s. 1½d.; OO, 6s. 11¾d.; seconds, 5s. 3d.; featherings, 2s.; quillings, 4s. 4½d.; chips, 1s.

CLOVES. — Zanzibar on the spot are 3s. 1d. per lb.; shipment, 2s. $8\frac{1}{4}$ d., c.i.f.

Cochineal.—Silver-grey Peruvian quoted 6s. 6d. per lb., c.i.f.; Canary Isles black-brilliant, 18s. 6d.; silver-grey, 15s. 6d., spot.

COCII LANA.—Bark is 1s. 8d. per 1b. on the spot.

COLOCYNTH PULP.—Spot, 3s. per lb.

DIGITALIS LEAF.—Purpurea from 1s. 2½d. to 2s. 7d. per lb., c.i.f.

ERGOT.—Portuguese is 5s. per lb., c.i.f. for prompt shipment and 5s. 6d. spot nominal.

Frangula.—Spot is 105s. per cwt.

GENTIAN.—French is 170s. per cwt. on the spot.

GINGER.—African, 97s, 6d. per cwt. on the spot; for shipment, 92s, 6d., c.i.f. Jamaican No. 3 on the spot is 270s, per

Grindelia. — Herb is quoted at 2s. 6d.

GUM ACACIA. — Kordofan cleaned sorts are 140s. per cwt. on the spot; November shipment, 126s., c.i.f.

Honey, — Australian light-amber is 113s, to 117s, and medium amber 102s, 6d, to 107s, 6d, Argentinc, 130s, to 135s.; Jamaican 135s, to 140s.; New Zealand clover, 160s, to 170s.; all per cwt. on the spot.

HYDRASTIS. — Spot 28s. per lb.; forward, from 26s. 6d. per lb., e.i.f.

Hyoscyamus.—Dutch leaves (niger) are 1s. $6\frac{1}{2}$ d. per 1b., c.i.f., prompt shipment.

IPECACUANIIA. — Matto Grosso, alloat, 55s. per lb.; c.i.f.; Colombian 57s. 6d., c.i.f.; Costa Rican, 67s. 6d., c.i.f., for early shipment.

Karaya. — No. 1 gum on the spot is quoted at 235s. per cwt., No. 2 at 165s.

Kola Nuts. — Jamaican spot market cleared, shipment, 7d. per lb., c.i.f. African 5d. to $5\frac{1}{4}$ d. spot and 4d., c.i.f.

Krameria.—Root is quoted at 90s. per

Lanolin. — Anhydrous, B.P., is from 170s. to 175s. per cwt. in 1-ton lots and hydrous, B.P., 150s., free drums, delivered.

LEMON PEEL. -Spot is offered at 5s. per lb.

Liquorice. - Natural root: Persian on the spot is 47s. 6d.; for shipment, 42s. 6d., c.i.f., per cwt. Block juice: Anatolian and Chinese, 190s. per cwt., Italian stick from 310s. to 476s. per cwt. Spray dried extract, 2s. 10½d. per lb.

LOBELIA HERB. — Spot offers of American are 4s. 6d. per lb. and for shipment, 3s. 6d., c.i.f. Dutch 3s. 1d., c.i.f. for shipment.

Whole on the spot is from MACE. -23s. 6d. per lb.

MENTHOL.—Chinese is 52s. 6d. per lb., duty paid and 47s., c.i.f.; Brazilian, spot, 36s., duty paid, shipment, November–December, 33s. 6d., c.i.f. Formosan for shipment, 36s., c.i.f.

MERCURY. — Price per flask (76 lb.) is £78 on the spot.

NUTMEGS.—West Indian 80's, 17s. per co., spot; sound unassorted, 13s. 9d.; lb., spot; sou defectives, 12s.

Orange Peel. — West Indian bitter quarters are 11d. per lb.; Spanish, 1s. 8d., as to quality, thin-cut Tripoli, 2s. 3d.

ORRIS ROOT. — Florentine is 330s. per CWI.

Papain.—Shipment is 24s. per lb., c.i.f., for grade one, spot, 25s.

PEPPER.—White Sarawak spot, 2s. 8d. per lb.; November shipment, 2s. 7½d., c.i.f.; Black Sarawak spot, 1s. 7d.; November shipment, 1s. 6¾d., c.i.f. Black Malabar quoted at 212s. 6d. per cwt. on the spot; new-crop for December–January shipment, 190s., c.i.f.

Pimento.—Spot value is 540s. per cwt. landed; shipment, 511s. 6d., c.i.f.

Pyrethrum.—Extract, minimum 25 per cent. w/w pyrethrins, is 75s. per lb. for small lots.

SAFFRON. — Spanish is quoted at 230s.

SARSAPARILLA.—Jamaican native red on the spot is 2s. 9d. per lb. Shipment, not olfering.

SEEDS. — (Per cwt). Anise. — Spanish, 165s.; Turkish, 140s., both duty paid. Caraway.—Dutch again dearer, 125s. now quoted duty paid. Celery.—Indian unchanged at 180s. spot. Coriander.— Moroccan offered at 55s. and Rumanian, 52s. 6d., both duty paid. Moroccan for shipment unchanged at 41s., c.i.f. Cumin.—Cyprian nominal 260s. and Iranian, 260s., duty paid. Dill.—Indian unchanged at —Cyprian nominal 260s. and Iranian, 260s., duty paid. Dill.—Indian unchanged at 70s., spot; shipment price is 55s., c.i.f. Fennel. — Chinese, 157s. 6d. duty paid. Indian 170s. Fenugreek.—Moroccan in poor demand, 47s. quoted, duty paid. MUSIARD.—English medium quality 115s. also Danish quality offering at 95s., duty paid.

SENEGA.—Spot offered at 14s. 6d. per lb.; shipment, 14s. 6d., c.i.f.

STRAMONIUM.—Indian LEAVES are per ewt., and European 80s. on the spot.

Tonquin Beans. — Para on the spot are offered at 7s. 10d. per lb. Shipment, 7s. 6d., c.i.f.

WAXES. — (Per cwt.). BEES'—Dar-es-Salaam, spot, 505s. nominal; shipment, 460s., c.i.f. Abyssinian, spot, 470s. in bond; shipment, 445s., c.i.f. Benguela spot, 520s., duty paid; shipment 460s., c.i.f. Candel ILLA.—Spot 460s. Carnauba.—Fatty grey, spot. 560s.; for shipment, 540s., c.i.f. Prime yellow, spot, 970s.; shipment, 910s., c.i.f.

Essential and Expressed Oils

- Brazilian is 16s. per Bois de Rose. on the spot and 15s. 6d. c.i.f.

CALAMUS.—Spot quotations are 62s. 6d. per 1b.

CAMPHOR, WILLTE. — Chinese is 1s. 9d. per lb. in bond.

CARDAMOM. — Price per lb. is from 350s. for English-distilled and 267s. 6d for imported.

CEDARWOOD, — 1-cwt. lots of American are 5s, per lb. and Kenya, 4s.

CELERY SEED. — Oil is 90s. per lb. for bulk lots.

CHENOPODIUM.—Spot value is 36s. per lb. for original containers.

CITRONELLA.—Ceylon, spot is 4s.; shipment, 3s. 5d., c.i.f. Formosan, November—December, 3s. 7d., nominal (spot 3s. $10\frac{1}{2}$ d. in bond).

CLOVE.—Madagascar leaf, b., duty paid; shipment, 6s. 1d., c.i.f. Rectified 87–88 per cent., 9s. 3d. Distilled bud oil, English, B.P., 30s. to 31s.

GERANIUM. — Bourbon is 125s. per lb. on the spot and 120s., c.i.f. Algerian, 100s.

→ English-distilled oil is 160s. GINGER. per lb. Imported: Jamaican, 130s.; Chinese, 100s. duty paid.

Lemongrass. — Spot 5s. $4\frac{1}{2}$ d. per 1b., and shipment, 5s., c.i.f.

Lime.—West Indian distilled is in the region of 58s. 6d. per lb. on the spot.

NUTMEG. — Imported B.P. oil is from 70s. to 92s. 6d. per lb. English-distilled, 95s. to 97s. 6d. as to quantity.

PALMAROSA. — East Indian, 23s., spot, and 18s. 6d., c.i.f.

PATCHOULI. — Penang is 24s., duty paid and 20s., c.i.f. per lb.

and 20s., c.i.f. per lb.

PEPPERMINT. — Arvensis: Chinese is 24s. 6d. per lb. on the spot and 21s. 6d., c.i.f. Brazilian, 8s., spot and 7s. 6d., c.i.f. Formosan, 16s. 9d., spot; newcrop for November-December shipment, 15s. 5d., c.i.f. Piperita: Italian "Mitcham"-type, from 42s. 6d. to 50s.; American, 27s. 6d. to 30s., as to origin.

PETITGRAIN. — Paraguay is offered at 19s. per lb. on the spot; 17s. 9d., c.i.f.

PIMENTO. — English-distilled berry is 180s. per lb.; imported, 77s. 6d. Rectified lcaf, 27s. 6d. per lb. for small lots.

PINE.—Pumilionis on the spot is 16s.

Pine.—Pumilionis on the spot is 16s. per 1b.; sylvestris, 25s.; Siberian (abietis), 12s. 6d.

Rue.—Spanish is 25s. per lb. on the spot.

Sage.—Spanish is 9s. 9d. per lb.; Dalmatian, 37s. 6d.

SANDALWOOD, - Mysore offered from 77s. 6d. to 80s. per lb. as to source. East Indian 78s., spot.

Sassafras. — Brazilian is from 3s. 6d. per lb., duty paid.

VERTIVERT.—Spot is currently at about 82s. 6d. per lb.

UNITED STATES REPORT

New York, November 11: Chilean Nitrate of soda was eut to \$40.50 a ton, down \$5.75. Natural Phenol, technical, 82 per cent., 15 eents a pound, the 90 per eent., 15½ eents, 39-dogree 17 cents. Prazilian Menulul was degree, 17 cents. Brazilian MENTHOL was up 15 cents to \$5 a lb. Senega root \$2, up 20 cents; CATNIP LEAVES at 75 cents, up 5 cents; and powdered ELM BARK, at 55 cents, up 5 cents per lb. Lower per lb. was Tolu Balsam at \$3, down 30 eents, Linalool at \$1:80, down 15 cents, LINALYL ACETATE \$3. down 25 cents, Bois DE ROSE OIL at \$1:80, down 15 cents, natural PEPPERMINT OIL at \$4, down 15 cents, redistilled at \$4.30.

C. & D. RETAIL AND DISPENSING PRICE LIST

The drug index for October was 206.8

C	ost		16 oz.	4 oz.	1 oz.	1 dr.
-		Item				
d.	per	•	s. d.	s. d.	s. d.	s. d.
24	500 mils	Acetum scillæ, B.P.C		$0.9\frac{1}{2}$	0 3	0 1
41	100 mils	Acid. hypophos. dil., B.P.C	_	_	1 9	0 3
28	500 mils		_	0.11	() $3\frac{1}{2}$	
40	500 mils		_	1 3	$() 4\frac{1}{2}$	0 1
24	500 mils				. 2	
48			_	$0 9\frac{1}{2}$	0 3	0 1
40	100 mils					
0.0		P.II (9)	_	_	2 1	$0 3\frac{1}{2}$
90	500 gm.	Aloe Capensis pulv Ronly	—	2 11	$0.10\frac{1}{2}$	$0 - 1\frac{1}{2}$
57	25 gm.	Amidopyrina, B.P.C R only			<u> </u>	1 2
69	500 gm.	Ammon. bromid	_	2 3	0 8	0 1
58	500 mils		_	1 10	0 7	0 1
58	25 mils			1 10	8 3	
88	500 mils		_	_	0 3	1 2
00	200 11113	P.I. (9)		2.10	0.101	
60	25 mils		_	2 10	$0.10\frac{1}{2}$	$0 1\frac{1}{2}$
51			_		8 6	1 3
	500 mils	Aqua hamamelidis	_	1 8	0 6	0 1
82	100 gm.	Balsam, Peruvian., B.P.C	_	_	4 0	0 7
102	500 gm.		_	3 3	1 0	$0 - 1\frac{1}{2}$
102	500 gm.	Collod. acid. salicyl., B.P.C	_	2 8	$0.9\frac{1}{2}$	$0 1\frac{1}{2}$
50	500 gm.			1 7	0 6	0 1
50	500 gm.			1 7	0 6	0 1
92	500 mils			1 /	0 0	UI
12	Joo IIIIs					
61	50011	B.P.C. D.D.	_	4 9	1 4	0 2
	500 mils		_	2 0	0 7	0 1
82	500 mils					
00	#00 to	Ronly	_	2 8.	$0.9\frac{1}{2}$	$0 - 1\frac{1}{2}$
90	500 mils	Elixir sennæ, B.P.C. '49	- 1	2 11	$0.10\frac{1}{2}$	$0 - 1\frac{1}{2}$
75	100 mils		- 1	- 1	3 2	0 5
48	500 mils	Ext, malti liq,	5 5	1 7	$0.5\frac{1}{2}$	
124	2 kilo	Gelatum alumin, hydrox., B.P.C.	3 6	1 0	$0 3\frac{1}{2}$	_
111	500 gm.	Glycer, plumbi subacet.,			_	
		B.P.C. P.I (9)	_	5 4	1 7	$0 2\frac{1}{2}$
59	500 mils	Inf. aurantii conc., B.P.C		1 11	0 7	$0 \overline{1}^2$
42	25 gm.	lodoformum	i	1	5 11	0.10
352	2 litres	Linct. codein., B.P.C. P.I (13)	_	2 10	$0.10\frac{1}{2}$	$0.1\frac{1}{2}$
224	2 litres	Lin. methyl. salicyl., B.P.C		1 10		
35	500 mils	Lin. saponis meth				0 1
58			4 0	1 1	0 4	
	500 mils		-	1 10	0 7	0 1
84	100 mils		_	<u> </u>	3 7	0 6
54	500 mils			1 9	$0 6\frac{1}{2}$	0 1
120	500 mils	Liq. tolut., B.P.C		3 10	1 2	0 2
124	2 litres	Lotio calamin. oleos., B.P.C	3 6	1 0	$0 3\frac{1}{2}$	_
132	500 gm.	Magnes. oxid. pond	_	4 3	1 3	0 2
90	500 mils		_	2 11	$0.10\frac{1}{2}$	$0 - 1\frac{1}{2}$
168	500 gm.	Ol. theobromatis		5 5	1 8	0 3
68	500 gm,	Pasta zinci oxid. et picis				0 5
	200 8	carb., B.P.C.		2 2	0 8	0 1
96	100 gm.	Di D D C		2 2		
135	250 gm.	75.1	_	_	4 1	
180			- 1	_	2 8	0 4
94	500 gm.	Sennæ fruct. Alex	_	5 9	1 9	
	500 mils	Spt. ammoniæ aromaticus	_	3 0	0 11	$0 - 1\frac{1}{2}$
30	500 mils		3 5	$0.11\frac{1}{2}$	$0 3\frac{1}{2}$	_
84	500 mils	Syr. cocillanæ co., B.P.C. '49				
1.40		P.I (10 and 13)	_	2 8	0 10	$0 - 1\frac{1}{2}$
148	2 litres	Syr. hypophosph. co., B.P.C.				
		P.I (9 and 13)	-	1 2	$0 ext{ } 4\frac{1}{2}$	—
57	25 gm.	Theobromin., B.P.C	- 1	(-1)	_	1 2
48	25 gm.	Theophyllina	- 1			1 0
88	500 mils	Tinct. belladonnæ P.I (9)		2 10	$0.10\frac{1}{2}$	$0 1\frac{1}{2}$
155	500 mils	Tinct. benzoin., B.P.C	_ /	5 0	1 6	$0 2\frac{1}{2}$
60	500 mils	Tinct. ferri perchlor., B.P.C. '49	_ /	1 11	0 7	0 1
171	100 gm.	Tragancanthæ pulv			7 5	1 0
188	2 kilo	Ung. acid. boric	5 4	1 6	$0.5\frac{1}{2}$	
69	500 gm.	Ung. acid. boric. flav	7 10	2 3		
62	500 gm.	Ung. acid. salicyl. et sulph.,	7 10	2 3	0 8	
	500 gm.	B.P.C.		2.0	0.7	0 1
76	500 gm.	Ung. adipis lanæ, B.P.C. '34		2 0 2 5 2 3	0 7	0 1
70		Ung adinic lang hydrog		2 5	0 9	$0 1\frac{1}{2}$
41	500 gm.	Ung. adipis lanæ hydros		2 3	0 8	0 1
83	500 gm.	Ung. aquosum	4 8	1 4	0 5	
90	250 gm.	Ung. gallæ, B.P.C		5 4	1 7	0 3
90	500 gm.	Ung. glyc. plumb. subacet.,		2.11		0.11
79	500 ~	B.P.C. '49 P.I (9)	_	2 11	$0.10^{\frac{1}{2}}$	$0 1\frac{1}{2}$
78	500 gm.			2 6	0 9	$0 1\frac{1}{2}$
97	250 gm.	Ung. iodi, B.P.C. '49	- 1	-	1 11	0 3
21	oz.	Ung. phenolis P.II (9)	-		2 8	_
54	500 gm.	Ung. picis carb., B.P.C. '34	_	1 9	$0 - 6\frac{1}{2}$	—
89	250 gm.	Ung. resorcinol., B.P.C. '49	_	5 9	1 9	0 3

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, November 17

ENFIELD CHEMISTS' ASSOCIATION, Enfield Arms, at 7.30 p.m. Mr. H. Noble (secretary, National Pharmaceutical Union) on "Has Retail Pharmacy a Future?"

FINCHLEY BRANCH, PHARMACEUTICAL SOCIETY, Bull and Butcher, Whetstone, London, N.20, at 8 p.m. Mr. A. S. Mays (clerk to Barnet urban district council) on "Local Government—Past, Present and Future."

ROYAL INSTITUTE OF CHEMISTRY, Royal Institution, 21 Albemarle Street, London, W.1, at 5.45 p.m. Meldola medal lecture: Dr. D. J. Manners on "Recent Advances in the Structural Analysis of Polysaccharides."

SOUTH-WEST LONDON CHEMISTS' ASSOCIATION, Lambeth town hall, Brixton Hill, London, S.W.2, at 8 p.m. Dr. J. Davoll (Parke, Davis & Co., Ltd.) on "The Chemotherapy of Cancer."

WATEORD AND ST. ALBANS BRANCH, PHARMAGEUTI-CAL SOCIETY, Water End Barn, St. Albans, at 7.30 p.m. Annual dinner and dance.

WEST MIDDLESEX, HOUNSLOW and WEMBLEY BRANCHES, PHARMACEUTICAL SOCIETY, lecture hall, Ealing town hall, New Broadway, London, W.5, at 8 p.m. Dr. K. R. Capper (editor of the Society's scientific publications) on "Pharmaceutical Problems Investigated in Revision of British National Formulary and British Pharmaceutical Codex."

Tuesday, November 18

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, Imperial hotel, at 8 p.m. Dr. L. L. Banks (Allen & Hanburys, Ltd.) on "Medical Problems in Pharmaceutical Practice."

EPSOM AND SUTTON BRANCH, PHARMACEUTICAL SOCIETY, Spread Eagle hotel, Epsom, at 7.45 p.m. Dr. E. W. Tapley (Roussel Laboratories, Ltd.) on "Corticosteroids."

HARROW BRANCH, PHARMACEUTICAL SOCIETY, oak hall, Baptist Church, College Road, at 8 p.m. Mr. J. Wright (deputy secretary, National Pharmaceutical Union) on "Latest N.H.S. Developments."

Hertford Branch, Pharmaceutical Society, Hertford secondary school, Mangrove, at 8 p.m. Mr. S. A. Milbank on "Australian Journey."

NORTH STAEGORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, North Stafford hotel, Stoke-on-Trent, at 7.30 p.m. Professor H. D. Springall (vice-principal, North Staffordshire University College) on "Chemistry in the Treatment of Disease."

Wednesday, November 19

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, bot-anical gardens, Edgbaston, at 8 p.m. Dance.

BOURNEMOUTH, CHICHESTER, ISLE OF WIGHT, PORTSMOUTH, SOUTHAMPTON and WORTHING BRANCHES, PHARMACEUTICAL SOCIETY, Royal Beach hotel, Southsea. At 5 p.m., tea; at 6 p.m., regional conference.

CROYDON PHARMACISTS' ASSOCIATION, Greyhound hotel, High Street, at 6.45 p.m. Golden jubilee dinner and dance.

LONDON SECTION, ROYAL INSTITUTE OF CHEMISTRY, Royal Society of Health, 90 Buckingham Palace Road, London, S.W.I, at 6.30 p.m. Annual meeting.

Scientific Film Association, Mezzanine cinema, Shell-Mex House, Strand, London, W.C.2, at 6,30 p.m. Mrs. M. Adams (B.B.C. television) on "Presenting Medicine to the Public on Television."

Thursday, November 20 Branch, Pharmaceutical

BRISTOL BRANCH, PHARMACEUTICAL SOCIETY, radiotherapy department, Bristol General Hospital, at 7.15 p.m. Dr. R. C. Tudway (head of the radiotherapy department, United Bristol Hospitals) on "Modern Methods of Radiotherapy."

DUNDEE AND EASTERN SCOTTISH BRANCH, PHAR-MACEUTICAL SOCIETY, Royal hotel, Dundee, at 7.30 p.m. Mr. G. R. Milne (deputy director, West of Scotland Region Blood Transfusion Service) on "Blood Groups and Disease."

FEDERATION OF SOUTH-EASTERN PHARMACISTS. Southover Grange, Lewes, at 7.45 p.m. Annual meeting, Mr. D. W. Hudson (president, Pharmaccutical Society) on "The Future of Phar-

LIVIRPOOL SCHOOL OF PHARMACY OLD STUDENTS' Association, Hanbury restaurant, Hot-pot supper.

LONDON BRANCH, GUILD OF PUBLIC PHARMACISTS, Wellcome Building, 183 Euston Road, London, N.W.I, at 7 p.m. Mr. G. L. Bunton (consultant surgeon, University College Hospital) on "Electrolyte Balance."

Manchester Pharmaceutical Association, Engineers' club, Albert Square, at 8 p.m. Lecture and demonstration, by a representative, Yardley & Co., Ltd.

Pharmaceutical Society, 17 Bloomsbury Square London, W.C.1, at 7.30 p.m. Messrs, D Holness (central perfumery department, Uni Messrs, D. lever, Ltd.) and L. Brealey (standards department, Boots Pure Drug Co., Ltd.) on "Applications of Gas Chromotography to Pharmaceutical Analyses,'

SUNDERLAND BRANCH, PHARMACEUTICAL SOCIETY, Grand hotel, Sunderland, at 7.30 p.m. Dr. B. P. Jackson (senior lecturer in pharmacognosy, Sunderland Technical College) on " Pharmaceutical Applications of Plant Generies."

SWANSEA AND WEST GLAMORGAN BRANCH, PHAR-MACEUTICAL SOCIETY, Brangwyn hall, at 7.30 p.m. Annual ball.

WESTERN [LONDON] PHARMACISTS' ASSOCIATION, Phoenix theatre, Charing Cross Road, London, W.1, at 7.30 p.m. Visit, At 10.15 p.m., dinner.

Friday, November 21

BRANCH, EXETER PHARMACEUTICAL SOCIFTY, Turk's Head hotel, High Street, at 7.30 p.m. Lecture and demonstration by Miss A. Morse (Richard Hudnut, Itd.).

COMMERCIAL **TELEVISION**

PROGRAMME details are given to enable chemists to put in linking-up displays if they wish. Notice given is as far in advance of the programme date as can be guaranteed by the broadcasting companies. Where known, the number appearances of the product during the week is shown in parentheses.

*National Pharmaccutical Union scheme.

November 23-29 LONDON

Airwick (3), Ajax cleanser, Alka-Seltzer (2), Amami wave set (2). Anestan, Amami wave set (2). Anestan. Aspro (6). Beecham's pills (3), powders (4), Bliss (2). Brylcreem (3), Cadum soap, Camay soap (3), Carter's little liver pills, Christy's liquid lano-lin (5), Colgate dental cream, Damaskin, Diuromil, Drene (2),

Famel syrup (2), Fynnon salt, Gale's honey (2), Germolene (4), Gillette razors and blades (2), Gleem tooth-paste, Horlicks (3), Kleenex (2) Knight's Castile soap (8), Lantigen B. Loxene medicated shampoo (3), Lucozade (4),

Mae throat sweets (2), Maclean's indigestion remedies (2), 100th-paste (3). Max factor beauty preparations (2). Medic-Aire, Milk of Magnesia tablets (2). Moorland indigestion tablets (2). Nu-Sun hot-water bottles*, Ola liquid detergent (3), Owbridge's lung syrup, Phensic (2), Phosferine (3), Phyllosan (3), Pin-Up home permanent (4), Pond's toilet preparations, Punch and Judy tooth-paste, Remington Rand shavers (3), Rheumatisone, Rinstead pastilles, Ronson electric shavers (4), Rosedale products,

Sanatogen (3), Scotties (3), Sebbix shampoo (2), Silvikrin leaf shampoo (2), Sprinkleen, Suba-Seal hot-water bottles*, Sun-orange Quosh (3), Thru, Trojan soap pads, Tru-gel (3), Twink home perm. (3), Valderma, Vaseline perrolcum jelly (5), Veno's cough mixture (4), Vosene shampoo (4), Yeast-Vite, Zubes, cough mixnure.

C. & D. RETAIL AND DISPENSING PRICE LIST (concluded from p. 543)

	Cost	Item	1	16 oz.	4 oz.	1 oz.	1 dr.
d.	per			s. d.	s. d.	s. d.	s. d.
47	500 gm.	Ung. simp'ex alb.	 	5 4	1 6	$0.5\frac{1}{2}$	_
47	500 gm.	Ung. simplex flav.	 	5 4	1 6	() $5\frac{1}{2}$	
168	2 kilo	Ung. zinci oxid	 	4 9	1 4	0 5	
119	250 gm.	Ung. zinci undecen.	 	_	7 8	2 4	0 4
96	500 gm.	Zingib, Jam,	 	_	3 1	0.11	$0 1\frac{1}{2}$
120	500 gm.	Zingib. Jam. pulv.	 		3 10	1 2	0 2

The bold letters and figures at left of dispensing price relate to the classification of poisons in THE CHEMIST AND DRUGGIST Poisons Guide,

MIDLAND

Airwick (2), Ajax cleanser, Alka-Seltzer, Amami wave set (2), Anadin (3), Anestan, Angier's junior aspirin (3), Aspro (9), Beecham's pills (3), powders (4), Bliss (2), Brylcreem (3), Cadum soap, Camay soap (3), California syrup of figs. Colgate dental cream, Cussons gift sets*. Cussons gift sets* Delrosa rose-hip syrup, Delsey toilet tissues (2), Drene.

Famel syrup, Fennings' "Little Healers," Fynnon salt, Germolene (4), Gillette razors and hlades (2). Gleem tooth-paste, Hiltone (2). Horlicks (3), Kleenex (2), Lantigen B, Loxene medicated hair cream, shampoo (3). Lucozade

Mae throat sweets, Maclean's indigestion remedies (2), tooth-paste (3), Max Factor beauty preparations (2), Milk of Magnesia (2), tahlets. Moorland indigestion tablets (2), Owbridge's lung syrup, Pepsodent tooth-paste, Phosferine Phyllosan (3), Pin-Up home permanent P.L.J. (2), Pond's toilet preparations (2), Remington Rand shavers (3), Rheumatisone, Rthena (4). Ronson electric shavers (4),

Sanatogen (3). Seotties (2). Sebbix shampoo (2). Silvikrin leaf shampoo, Simpkin's products (2), Sprinkleen, Sun-orange Quosh (3), Thru (2), Trojan soap pads, Tru-gel (3), Twink home permanent (2). Valderma (2). Vaseline petro-leum jelly (5). Veno's cough mixture (4). Vosene shampoo (4), Yeast-Vite, Zubes (3), cough mixture.

NORTH

Airwick, Ajax cleanser, Alka-Seltzer (2), Amami wave set (2). Anadin (4), Anestan, Angier's junior aspirin (3), Aspro (3), Beecham's pills (3), powders (4). Bliss, Brylereem (3), Cadum soap, Camay soap (6), California syrup of figs, Colgate dental cream, Cussons gift sets*, Delrosa rose-hip syrup (2). Drene, Dr. Wernet's

Famel syrup (2), Fennings' "Little Healers" (3). Fynnon salt, Germolene (4), Gibbs S.R. toothpaste (2). Gillette razors and blades (2). Gleent 100th-paste. Horlicks (2). Kleenex (2), Lantigen B. Loxene medicated shampoo (2). Lucozade (4).

Mae throat sweets (3), Maclean's indigestion remedies (2), tooth-paste (3), Max Factor beauty preparations (2), Mentholatum (3), deep-heat rub (2), Milk of Magnesia, Moorland indigestion tablets (2), Owbridge's lung syrup, Pepsodent tooth-paste (2), Phensic (4), Phosferine (2), Phyllosan (3), Pin-Up home permanent (4), Pond's toilet preparations (2), Punch and Judy Remington Rand shavers (3). tooth-paste. Rheumatisone. Ronson electric shavers (4).

Sanatogen (3), Scotties (2), Sebbix shampoo (3), Setlers, Silvikrin leaf shampoo, Simpkin's produeis (2). Style home permanent*. Sun-orange Quosh (2), Thru, Tru-gel (3), Twink home "perm" (3), Valderma (2), Vaseline petroleum jelly (3). Veno's cough mixture (4). Vosene shampoo (4), Yeast-Vite (2), Zubes (3), cough mixture.

SCOTLAND

Airwick, Ajax eleanser, Alka-Seltzer (2), Amami wave set (3), Anadın (4), Anestan (2), Askit (12). Aspro. Beecham's pills (4), powders (4). Bliss (2), Brylereem (3), Cadum soap, Colgate dental cream. Delrosa rose-hip syrup.

Famel syrup (2), Fynnon salt, Germolene (4), Gillette razors and blades (2), Gleem tooth-paste, Horlicks (2), Kleenex (2), Lantigen B, Loxene medicated shampoo (4), Lucozade.

Mac throat sweets (2), Maclean's indigestion

remedies (2), tooth-paste (3), Max Factor beauty preparations (2), Milk of Magnesia (2), Moorland indigestion tahlets, Owhridge's lung syrup, Palmolive soap, Phensic (5), Phosferine (2), Pin-Up home permanent (5), Rheumari-Ribena. Ronson electric shavers (4). Rosedale products (3),

Scotties (3). Sebbix shampoo, Silvikrin leaf shampoo (2). Supavite (3), Thru (2), Tru-ge] (2). Twink home permanent. Vaseline petroleum jelly (5), Veno's cough mixture (3). Vosene shampoo (5), Yeast-Vite, Zubes (2), cough mix-

WALES

Airwick, Ajax cleanser, Alka-Seltzer (2), Amami wave set (3), Anadin (4), Anestan, Aspro (9), Beecham's pills (3), powders (4), Bliss (2), Brylereem (3), Cadum soap, Camay soap (4). Colgate dental cream. Delrosa rose-hip syrup. Dr. Wernet's powder.

Fynnon salt (2), Germolene (4), Gillette razors and blades (2), Gleen tooth-paste, Hiltone (2), Horlicks (3), Kleenex (2), Lantigen B, Loxene medicated shampoo (3). Lucozade (4).

Mac throat sweets (2), Maclean's indigestion remedies (2), tooth-paste (3), Max Factor beauty preparations (2), Milk of Magnesia tab-lets (2), Moorland indigestion tablets, Palmolive soap, Phensic (5), Phosferine (3), Pin-Up home permanent (4). Punch and Judy tooth-paste, Remington Rand shavers (2), Rheumati-Ronson electric shavers (4), Rosedale products.

Sanatogen (2), Sebbix shampoo (3), Silvikr n leaf shampoo (2), Simpkin's products, Sprinkleen, Sun-orange Quosh (4), Thru, Trojan soap pads, home permanent. Vaseline petroleum jelly (5). Veno's cough mixture (4), Vosene shampoo (4), Yeast-Vite, Zoffora (2),

Addis beauty brush and gift sets*, Airwick, Ajax cleanser, Amami wave set (2), Anadin (4). Andrex toilet tissues (7), Aspro (8), Beecham's powders (3), Bliss (2), Brylcreem (3), Cadum soap, Camay soap (3), Colgate dental cream. Cussons gift sets*.

Fennings' "Little Healers," French's bird seed. Gillette razors and blades (2), Gleem tooth-paste (2), Horlicks (2), Kleenex (2), Knight's Castile soap (7), Lantigen B. Loxene medicated shampoo (3). Lucozade (4).

Max Factor beauty preparations, Milk of Magnesia tablets (2), Moorland indigestion tablets. Nu-Sun hot-water bottles*, Palmolive soap. Pepsodent tooth-paste (2). Pin-Up home per manent (4). Remington Rand shavers (3) Rheumatisone. Ronson electric shavers (4).

Scotties (2), Silvikrin leaf shampoo (2), Suba-Seal hot-water hottles*, Tw.nk home permanent (2).

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> P.A.T.A. LIST

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1000	pellets	27/6	
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order	s.		



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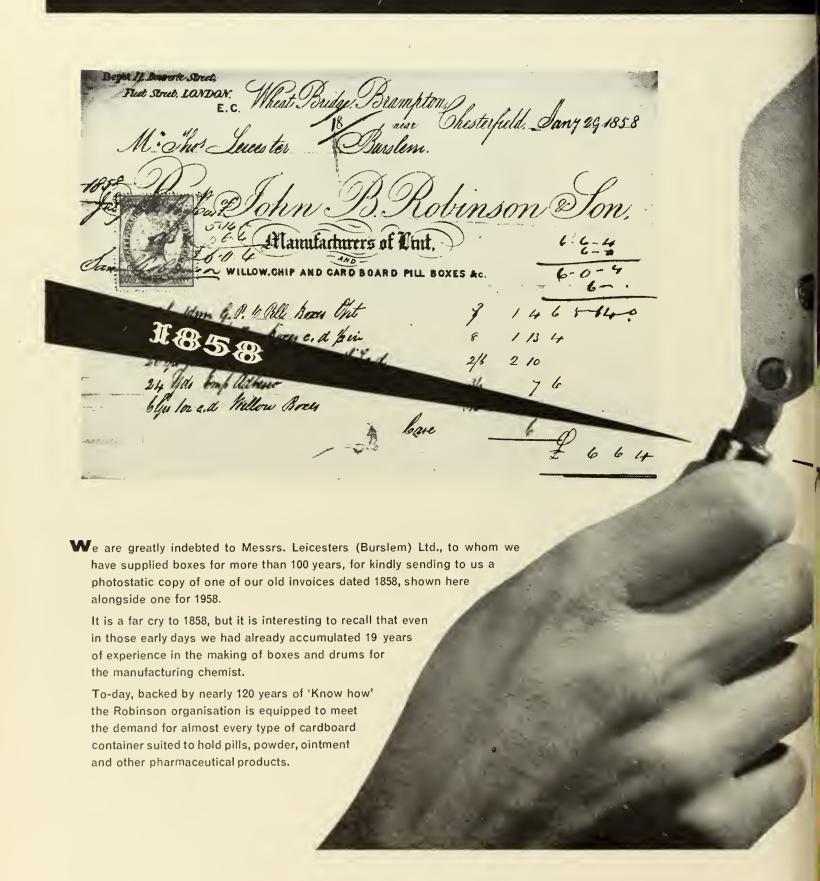
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OUINCABEL!

We are frequently told of the benefits derived from Quincabel. As it is a combination of Quinine and other Cinchona Alkaloids with Camphor and Belladonna, this is understandable.

It will prove a ready seller if prominently displayed with the unusual crowner available, and, once tried, will be asked for again.

* NOTE THE GENEROUS TERMS.

Trade doz.: Trade doz.: Tax incl. doz.: tax:

PRICE: 2 oz. 19/- 5/9 3/- per bottle
4 oz. 27/- 8/2 4/6 ,, ,,

BONUS TERMS ON ORDERS OF 1 DOZEN AND 3 DOZEN

A PRODUCT OF GENERAL GENERAL GENERAL BIRMINGHAM



To meet ever-increasing Prescription demand . . .



Maw's Tuncolin

DISPENSING PACKS

The lightweight, unbreakable polythene Winchester—supplied free of charge—is a most useful container for the dispensary when empty.

MAW'S TANCOLIN is specifically formulated for children. It is an effective and palatable linetus indicated particularly in cases where the child normally dislikes or refuses medicine. The need for fractional doses arising from the employment of comparable adult preparations is avoided. While it is freely prescribable on E.C.10 (Cat. 3/4) the distinctive tangerine colour of Tancolin is an identification factor that is building up a brisk counter trade from past prescription and recommendation.

ATTRACTIVELY CARTONED BOTTLES FOR COUNTER SALE

6 oz. 32/9 doz. (plus 30% P.T.) retailing at 4/11each 3 oz. 18/4 doz. (plus 30% P.T.) retailing at 2/9 each





2-litre
Dispensing
Pack 32/6
(tax free)
POLYTHENE
CONTAINER
FREE

Maw's Tuncolin

the Tangerine-flavoured Children's Cough Linctus

S Maw Son and Sons Limited
Barnet • England



A special Merchandising Scheme for the weeks December 27 - January 17.

January, with its peak T.V. audiences, is a period of great selling opportunities. ABC TELEVISION has introduced a special Merchandising Scheme, designed to bring you extra sales of those products advertised on the ABC Network over the immediate post-Christmas period.

Throughout this period ABC TELEVISION will give you advance notice through THE CHEMIST AND DRUGGIST of the products in your shop which are getting TV support on the ABC Network, enabling you to tie-in your January window and counter displays with these products.

These are the advertisers in your field booked with ABC for this period at the time that this issue of THE CHEMIST AND DRUGGIST went to press. A complete list of advertisers will be announced in later issues.

Make sure that you benefit from ABC's New Year Merchandising Scheme by ordering extra stocks of these products from your supplier now!

STOCK AND SELL THROUGH ABC

ABC TELEVISION NETWORK

1 Hanover Square, W.1



ew Year on ABC TV

The following advertisers are booked on ABC TELEVISION during this period and will be taking part in the scheme—

Is when advertised *	ABC areas in which product advertised	Weekends when product advertised *	ABC areas in which product advertised
zer . 1.2.3.4	North & Midlands	Amami Wave Set 4	North & Midlands
1.2.3.4	North & Midlands	Camay 1.2.3.4	North & Midlands
2.4	North & Midlands	Colgate Dental Cream 2.4	North & Midlands
Powders 1.2.3.4	North & Midlands	Cusson's Pine Bath Cubes 4	North & Midlands
Syrup of Figs 2.3	2 & 3 North	Drene Shampoo 3	Midlands
	3 Midlands	Gillette 2.3.4	North & Midlands
1.2.3.4	North	Gleem Toothpaste . 4	North
4	Midlands	Hilton 4	North & Midlands
I.2.3	North & Midlands		I & 2 Midlands
4	North & Midlands	Knights Castile . 1.2.4	1.2.4 North
ugh Syrup. 2.3 "Little Healers"	North & Midlands	Lemskin 2.3.4	North & Midlands
er Mixture" 1.3.4	North & Midlands	Loxene Medicated	
alts 2.4	Midlands	Shampoo 4	North & Midlands
ie 2.4	North & Midlands	Macleans Toothpaste 2.3.4	North & Midlands
ige Tablets 3	North & Midlands	Max Factor . 1.2.3.4	North & Midlands
2.4	2 Midlands 4 North	Pacquins Hand Cream. 4	Midlands
I.4	North & Midlands		
tum Deep Heat	Tiorin & minimus	Palmolive Soap . 2.4	North & Midlands
2.3.4	North	Pure Silvikrin . 2.4	2 North 4 Midlands
Aagnesia 1.2.3.4	North & Midlands		4 Wildiands
4	Midlands	Rosedale "Lanospray" 2.3	North & Midlands
s Indigestion		Shavex 1.2.3.4	North & Midlands
· . I.2.3.4	North & Midlands	Silvikrin Hair Cream . 3	North & Midlands
Cough Remedy. 2	North & Midlands	Steradent 2.3.4	North & Midlands
2.3.4	North & Midlands	Vosene 4	North & Midlands
Inhalant . 2.3.4	North & Midlands	Williams Lectric Shave. 4	Midlands
. I.2.3.4	1.2.3.4 Midlands	i e	
	1.2.3 North	Bournvita 1.2.3.4	Midlands
e 2.3.4	North & Midlands	Hall's Wines 2.3	North & Midlands
2.3.4	North & Midlands	Horlicks 2.3.4	North & Midlands
2.3.4	North & Midlands	Keystone Burgundy . 4	North
3	North & Midlands	Kleenex 2.3.4	North & Midlands
3.4	North & Midlands	Port Wine Trade	
ough Mixture 2.3.4	North & Midlands	Association	North & Midlands
• • • • 4	North	Ribena 3.4	North & Midlands
1 4	North & Midlands	Suregrip Rubber Gloves 4	North & Midlands
1		2 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	

lember of the Associated British Picture Corporation

Weekend 2 January 3/4

kend 1 December 27/28

EKEND PROGRAMME COMPANY IN THE NORTH AND MIDLANDS

Weekend 3 January 10/11

Weekend 4 January 17/18

yet again...

There is always something new coming from the Eastman Kodak laboratories. A selection from Supplement 41-2 is interesting:

7677 I-Bromo-3-iodobenzene MP -8° to -5°

7698 o-Idoaniline

7657 Pyrogallolsulfonephthalein

7640 Triethylmethylammonium Iodide

7641 Triethyl-n-propylammonium lodide

P.7668 alpha, alpha-Dimethylbenzyl Alcohol (Pract.) B.P. 94-98°/12 mm

These are a few of the 3,800 organic chemicals which are obtainable from:

Kodak Limited, Kirkhy Industrial Estate, Kirkhy, Liverpool. Telephone: Simonswood 2977/8

PRIDE 7D NEW DOUBLE SHAMPOO SACHETS

BEER SHAMPOO

a special Blend for BRUNETTES which helps to attain that much sought after high gloss so necessary with either natural or tinted BLACK hair.

CHAMPAGNE SHAMPOO

is specially packed for those who desire the invigorating effect of wine and spirit with a lovely FRENCH PERFUME.

MEDICATED SHAMPOO

a hair health shampoo free of all harsh antiseptics. Based entirely on the Pure Natural Oils of the Pine and Ti-Trees is delightful to use and assures a clean healthy scalp.

These three shampoos are in double sachets giving sufficient for 2 complete shampoos. Smart and colourful packs

Price 3/9 doz. plus 1/2 P.T.

From May, Roberts, Sangers or your usual wholesaler or direct.

B. N. FURMAN (Productions) LTD.,
133 Fonthill Road, N.4

A Soap for Two Markets

The customer who wants a mildly medicated soap; and the customer who likes a top-quality toilet soap; you will sell Cuticura to both. Only Cuticura Soap has this happy combination. Superfatted to give a rich, fragrant lather, it is also—like Cuticura Talcum and Shaving Stick, those other best-sellers—mildly medicated to give skin health. It pays to display and recommend

Cuticura Soap

also

TALCUM POWDER • OINTMENT
HANDCREAM • MEDICATED LIQUID
SHAVING STICK



Ormerod Engineers Limited

HOLLOWS WORKS, SHAWCLOUGH, ROCHDALE

Telephone: Rochdale 49321.

Telegrams: Homogenisers,
Rochdale.





Rechargeable Dry Shaver

£8.19.9

trade terms

NO FLEX OR BATTERIES

Simply plug in to any two-pin a/c socket (110-240 volts) and leave overnight—the TRAVELUX built-in accumulator is charged for a week of easy, trouble-free shaving.

The 4,000 r.p.m. cutting head and screen unscrew for cleaning. Each shaver is supplied complete in zipped leather case, with cleaning brush, is guaranteed for a year, and may be recharged at least 500 times equal to a 5–7 minute shave for at least ten years.

Here's the dry shaver you'll be proud to recommend! Brilliantly designed and beautifully made, the unique TRAVELUX is the world's first rechargeable dry shaver—has all the advantages of a mains model and none of the fuss and fiddle of flex, clockwork or batteries. It's safe, efficient, guaranteed and it's backed by a first-rate after-sales service.

The Perihel TRAVELUX is a natural buy for the man-about-town, the busy executive and the traveller. Stock and display the TRAVELUX in *your* shop now!

ORDER FROM YOUR USUAL WHOLESALER

LEAFLETS AND DISPLAY MATERIAL free on request

For even quicker sales, display the TRAVELUX on your counter.

TRAVELUX

PERIHEL LIMITED

146 NEW CAVENDISH STREET LONDON, W.I.

Telephone: LANgham 2411



Attractive presentation and sound functional design are both provided by the Beatson Ribbed Oval.

A wide range is available, both Cork Mouth and Screw Neck, with either White Enamelled, Black, Red or White Plastic Caps.

Be sure to specify BEATSON

"The Sign of a



Good Bottle"

BEATSON, CLARK & CO., LTD.

ESTABLISHED 1751

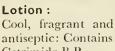
Glass Bottle Manufacturers

ROTHERHAM

YORKS

Mothers are finding that Robinson's medicated baby preparations are second to none

Hygiene today is highly important. Robinson's offer this complete range of medicated baby preparations confident that they are the very latest and best of their kind, will sell readily—and lead to repeat orders.



Cetrimide B.P.

Cream: Quick acting emollicat



Soap: Delicately perfumed, wonderfully gentle to the skin: Contains Hexachlorophene.

Powder: Cool, comforting, fully antiseptic: Contains Cetrimide B.P.

Please write for full particulars, trade terms and details of bonus terms for window Displays.

baby cream

ROBINSON & SONS LTD

WHEATBRIDGE MILLS CHESTERFIELD

Makers of PADDI and PADDI-pads





There's a Dreamland on T.V. for you...



OVER 5,000,000 people

will see Williams

ELECTRIC BLANKET PROMOTION

on -42 times

This season's "DREAMLAND" Sales will be a record! Your share of this greatly increased business is up to you! Take advantage NOW of "Dreamland" T.V. Promotion — which is backed by large "RADIO-TIMES" spaces, Provincial Press campaigns and full-colour point-of-sale promotion material.

BIGGER SALES

EXTRA DISCOUNTS
ORDER YOUR DREAMLAND

ELECTRIC NOW



The Largest FULL size

2 YEAR GUARANTEED

Quality Blanket at its price . . .

Single, Size $60'' \times 30''$

£4.0.0 plus P.T. 16/8d.

Double, Size $60'' \times 48''$

£6.0.0 plus P.T. £1.5.0

This is important! DO IT NOW

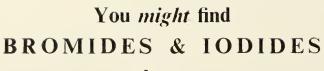
To: EASIPOWER Ltd., 27 Albemarle Street, London, W.I.

Cut out and post this coupon! It brings you by return full details of new, generous discounts on Easipower Products. Either fill in particulars or attach your business letter heading.

NAME

ADDRESS

CLASS OF



here

but your best source of supply is the M&B range of pharmaceutical chemicals. The range includes:

AMMONIUM BROMIDE B.P.C.

CALCIUM BROMIDE B.P.C. 1949

POTASSIUM BROMIDE B.P. CRYST. AND POWDER

SODIUM BROMIDE B.P.

STRONTIUM BROMIDE B.P.C. 1934

IODINE B.P. RESUBLIMED

IODOFORM B.P.C. POWDER

POTASSIUM IODIDE B.P. CRYST.

Detailed information is available on request



MAY & BAKER LTD · DAGENHAM

Telephone: DOMinion 3060 · Extension 317

PHAIOOI





TV & Press Advertisements

4 appealing pastel colours, natural and white GOOD HOUSEKEEPING SEAL OF APPROVAL

TOILET SPUN-GEE deserves its big success!

The Good Housekeeping
Seal is your own and your
customers' guarantee of
quality. Accept no substitute.
Size, approx. 6" x 4" x 2".

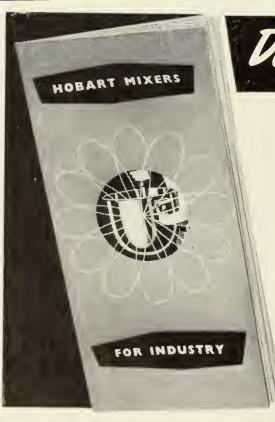
* Colours! Colours!

Available in pastel blue, primrose, green, pink, white and natural... a colour each for every member of the family and your chance to sell two and three at a time.

Well-timed advertising . . . word-of-mouth recommendation . . . it's no wonder that Toilet Spun-gee is selling successfully everywhere. Have you got this popular line on show, with its most attractive wire dispenser that is free with orders of six dozen or more? Customers are looking to you to stock rainbow-gay Toilet Spun-gee. Don't disappoint them!

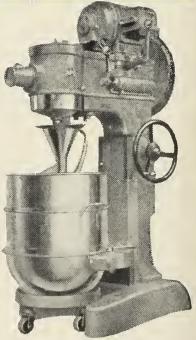
KING DEVELOPMENT CO. LTD. MORLEY HOUSE 320 REGENT STREET LONDON W.I Tel. LANgham 11S8/9





Send for this booklet on HOBART mixers for the Cosmetic. Pharmaceutical and allied industries.

For specialised and standard mixings the Hobart Mixer is unequalled. Its unique action—planetary, with an epicycle movement—brings mixing to perfection. Its range of mixing speeds, its variety of mixing tools, and its mixing capacities have been designed to meet every industrial requirement.
Please write for full details.





COMPANY HOBART **MANUFACTURING**

HOBART CORNER, NEW SOUTHGATE, LONDON, N.II. Telephone: ENTerprise 1212 Divisional Offices and Service Depots at: BELFAST 45770. BIRMINGHAM: Midland IS18/9. BRISTOL 20208 CARDIFF 30S46. DUBLIN 77212. GLASGOW: Shettleston 3471/2. LEEDS 2766S. LIVERPOOL: Royal 3254 MANCHESTER: Ardwick 1169. NEWCASTLE-on-TYNE: Low Fell 7-S279. NOTTINGHAM 84771

BIDDLE, SAWYER & CO. LTD.

Exporters and Importers of

PHARMACEUTICAL & FINE CHEMICALS
INDUSTRIAL CHEMICALS
HORMONES · ENDOCRINES · STEROIDS
ALKALOIDS · GLUCOSIDES
ANTIBIOTICS · VITAMINS
BOTANICAL DRUGS
ESSENTIAL AND EXPRESSED OILS
WAXES · ROSIN · MICA

Sole agents for the U.K. and other countries for:

PYRETHRUM FLOWERS, POWDER AND EXTRACT

supplied by

The Pyrethrum Board of Kenya, the Pyrethrum Board of Tanganyika, the Societe Co-operative des Produits Agricoles, Goma, Belgian Congo

Sole Agents for E. M. CHEMICALS LTD. Stockton-on-Tees
PIPERAZINE ANHYDROUS • PIPERAZINE CITRATE • PIPERAZINE HEXAHYDRATE, etc.

BIDDLE, SAWYER & CO. LTD.

4 GRAFTON STREET, LONDON, W.I

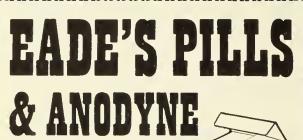
Telephone: Hyde Park 0521

Cables: Bidsawa London

INTERNATIONAL TELEX No. LONDON 8266/7

PARIS · NEW YORK · BOMBAY · BUENOS AIRES · RIO DE JANEIRO · JOHANNESBURG FRANKFURT · HONG KONG

Associated companies and offices throughout the world



OINTMENT

Over 100-year-old reputation for efficacy in the relief of the pains of Rheumatism, Gout, Lumbago, Sciatica and Neuritis.



EADE'	S PILLS	OINTMENT	
RETAIL (inc. Pur. Tax) I/II 4/- 6/9	WHOLESALE (Plus Tax) 13/6 doz. 29/- doz. 49/- doz.	RETAIL (inc. Pur. Tax) I/II 4/-	WHOLESALE (Plus Tax) 13/6 doz. 29/- doz.

EADE'S PILLS LTD. (Dept. C & D)
232 Goswell Road, London, E.C.I. Clerkenwell 3370

<mark>XXXXXXXXXXXXXXXXXXXXX</mark>X

Millions of men and women know that it's KAY'S for coughs

* feature Kay's display material prominently on your counter

KAY'S

LINSEED COMPOUND

in syrup for the home - in pastilles for the pocket

NEW!

COLBY NYLITE

NYLITE is the new lightweight Nylon Elastic Yarn stocking with the *super-soft* finish.

NYLITE gives firm support and its unusually soft texture makes it extra comfortable to wear. 2-way stretch and seamless, this hose has a smooth, matt look and may be worn confidently without overhose.

NYLITE may be supplied against N.H.S. prescriptions

Trade price 35/6 per pair In normal stocking sizes 8½, 9, 9½, 10, 10½ Order a stock of this important new stocking now. Samples on request.

COLBY PRODUCTS LIMITED

314 EUSTON ROAD. LONDON. NWI.

Trade Ma k •



Bulk Suppliers of DISINFECTANTS & ANTISEPTICS



Black & White types—all strengths

MARKET & FARM DISINFECTANTS

Approved for use under Diseases of Animals Orders

PINE & AROMATIC DISINFECTANTS

LYSOL B.P.

QUATERNARY AMMONIUM COMPOUNDS ROXENOL B.P., etc.

Packed in 1, 5, 10 and 40 gallon drums

CARBOLIC DISINFECTANTS

THE PRINCE REGENT TAR CO. LTD.

BRETTENHAM HOUSE, LANCASTER PLACE, STRAND, LONDON, W.C.2.

Telephone: TEMPLE BAR 5801 (8 lines)

Works:- PRINCE REGENT'S WHARF, SILYERTOWN, LONDON, E.16

Telephone: ALBERT DOCK 3311



BIGGEST VALUE FOR MONEY

at 1/9

—and Nationally advertised, of course!

SOLE DISTRIBUTORS
THOMPSON & CAPPER LTD. MANUFACTURING CHEMISTS, SPEKE, LIVERPOOL 24

NEW **PAEDIATRIC ANTIPYRETIC ANALGESIC**

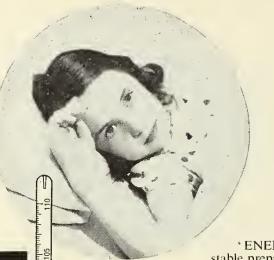


Presentation: Bottles of 4 fl. oz. and 40 fl. oz. (Dispensing Pack).

Basic N.H.S. Price:

4-oz. pack, 4/2; 40-oz. pack, 30/7 (exempt from Purchase Tax)

Literature on request



For the prompt reduction of **Fever** and relief of pain in children

'ENERIL,' a new paediatric elixir, is a stable preparation suitable for the reduction of fever and pain in children. 'ENERIL' provides accurate effective dosage, in pleasantly-flavoured form and paintly does not produce gestric irritation. Indicated in all conditions It does not produce gastric irritation. Indicated in all conditions where antipyresis and analgesia are required. There are no contraindications to 'ENERIL.

Each teaspoonful (4ml.) contains:

120 mg. Paracetamol (N-acetyl-p-aminophenol).

Dosage: Infants under 12 months, $\frac{1}{2}$ teaspoonful (2 ml.)

Children 1-4 yrs. ½ to 1 teaspoonful (2-4 ml.) ,, 4-8 yrs. 1 to 2 teaspoonfuls (4-8 ml.) ,, 8-12 yrs. 2 teaspoonfuls (8 ml.)

To be given every 4-6 hours or as directed by the physician.



A.&G. Nicholas LTD. Slough, Bucks, England

Ref. Jnl. Amer. med. Assn. 1956, 160, 1219





Hygienic, tasteless, odourless, unaffected by foodstuffs. Standard valves and teats fit narrow neck and boat-shape bottles. Sterilizing instructions with each bottle.

FEEDING BOTTLES

Obtainable from your usual Wholesaler





By far the best value for this type of product



Boat-shaped Feeding Bottle

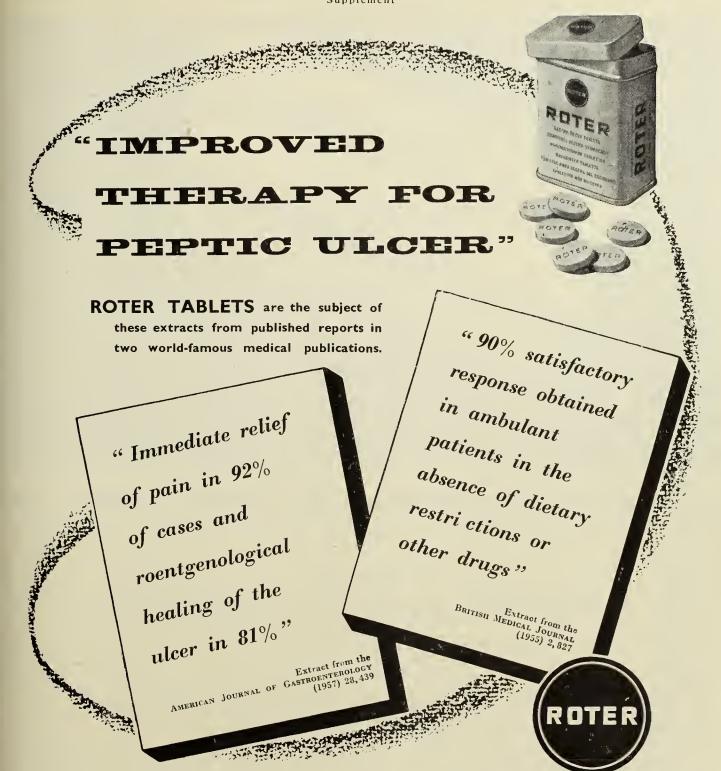
RETAIL 2/8



Dual Purpose Feeding Bottle with No-germ Cap

44

JACW/CD/



PACKINGS: Retail Prices including P.T., Trial size 40 tablets 7/5d., Standard size 120 tablets 21/3d. Full treatment size 640 tablets 106/6d.; Dispensing packs 720 tablets, P.T. exempt. Obtainable from your usual wholesaler.

ROTER Tablets are not advertised to the public, and may be prescribed on E.C.10 forms. Literature and samples on request.

F.A.I.R. LABORATORIES LTD., TWICKENHAM, MIDDLESEX



EPHEDRINE ALKALOID ANHYDROUS NF.X

THE BRITISH DYEWOOD COMPANY LIMITED

19 St. VINCENT PLACE GLASGOW C.I



VICTORY FACTORIES . NELSON . LANCS

PRICES REDUCED

HARDWOOD APPLICATORS

100 boxes and over 3/- per box, 50 to 99 boxes 3/3 per box under 50 boxes 4/- per box. Standard pack, 6 gross to a box

IMMEDIATE DELIVERY FROM LONDON STOCKS

TONGUE DEPRESSORS

LOWEST PRICES SINCE THE WAR

Size 6in. \times 2 in. \times 2mm. thick. Prime Hardwood perfectly finished Boxed 100's Minimum order 10,000

Wholesale Houses only supplied

ASHWOOD TIMBER INDUSTRIES LTD.

Specialists in Veneer and Plywood Products for all Trades

IBEX HOUSE · MINORIES · LONDON, E.C.3

Tel: ROYal 2494 Cables: ASHTIM, LONDON

An open letter from



To all Retail Chemists,

We would like to thank you all for the truly magnificent response you have given to our recent mailing on Health Lamps.

Unfortunately it is impossible for us to reply to each of you individually, but we assure you that your requests are receiving our immediate attention, soon to be followed by a call from either our own, or your wholesalers' representative.

Thank you once again for what we regard as a display of confidence in our products and we look forward to a profitable sales period ahead for us all.

Yours,

PHILIPS ELECTRICAL LIMITED.

P.S. If you have not yet returned your card you can still do so, and reap the benefit. Even if you threw it in the W.P.B. it doesn't matter just write direct to us at Century House.



The Anglican Bishops endorse Family Planning

"Family planning, in such ways as are mutually acceptable to husband and wife in Christian conscience...is a right and important factor in Christian family life."

REPORT OF THE NINTH LAMBETH CONFERENCE

Commenting on the report, the Archbishop of Canterbury said:

"...there is clearly a divine obligation to plan your family and not have them by accident." Asked if he personally advocated family planning, the Archbishop replied:

"What the conference says is that it is a neccessity, and I agree."

With these words, the 310 Anglican

Bishops have given their blessing to the principles of family planning. In setting forth this enlightened point of view, they have removed the confusion and controversy which have surrounded the subject for years. Their wise and human approach will be endorsed by thoughtful people everywhere.



The wording on this strip conforms with the code of ethics of the Pharmaceutical Society. (Size of strip: 7" x 2")

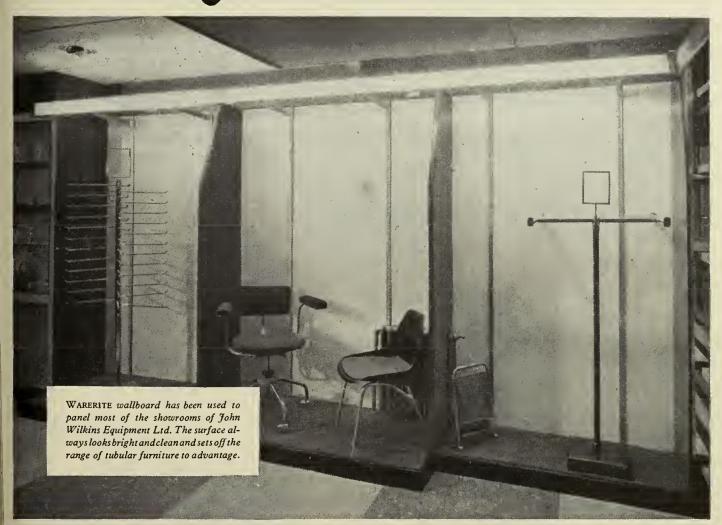
The part you play...

Millions of new users are being converted to modern DUREX methods of family planning by our "Planned Families" booklet, extensively advertised in newspapers and magazines.

Write for the discreet "Family Planning Requisites" shelf strip (No. 30), which shows that you are a DUREX stockist. It will bring you extra business—so put it on display.

LONDON RUBBER CO. LTD., HALL LANE, LONDON, E.4

Just the job! for stores and shops



WARERITE wallboard

Good-looking premises always help to attract more customers—and that means more business. Panelling with WARERITE wallboard is the ideal, inexpensive way to brighten up walls, counter fronts, partitions, flush doors, ceilings and all vertical surfaces. WARERITE wallboard is moisture-resisting, durable and easily cleaned, and there are sixteen different patterns and colours to choose from

Write for literature, samples and the name of your nearest WARERITE distributor.

WARERITE wallboard

IS IDEAL FOR VERTICAL SURFACES AND CEILINGS

• Wipes clean instantly • Easily and quickly installed • No maintenance required Resistant to steam and moisture • Outlasts conventional finishes • Standard boards 8 ft. x 4 ft. • 16 attractive, colourful patterns



with the lovelier patterns!



A product of BAKELITE LIMITED . 12-18 GROSVENOR GARDENS . LONDON SWI . Telephone \$LOane 0898

GA WWIE

Sensational Price Reductions

WITH EFFECT FROM NOV. 17

Modess SUPER-SOFT 2'- - - NOW 1/9

Modess SOLUBLE 1/11 - - - NOW 1/9

Modess WITH COTTON-WOOL 2/I - NOW 2/-

PROFIT MARGINS MAINTAINED

Johnson Johnson (GT. BRITAIN) LTD. SLOUGH

The world's most trusted name in surgical dressings

PERSONAL PRODUCTS DIVISION . SLOUGH . BUCKS



Calsalettes

A safe, pure laxative that is enjoying a steadily growing reputation. Intensive and increasing advertising will make your customers ask more and more for "Calsalettes." Keep them on display!

Calsalette advertisements are appearing in the Daily Sketch, Weekly Scotsman, Woman's Weekly, Woman's Illustrated, Woman's Day, Woman's Realm, Weekend Mirror, John Bull, Everywoman, Modern Woman, She, Housewife, Woman & Beauty, Punch, Wife & Home, Reader's Digest.

The Torbet Lactic Oat Co. Ltd.

24 Great King Street, Edinburgh, 3, Phone: WAVerley 3801

Tie in with Sunbeam's National Colour Advertising

Sunbeam's powerful-selling colour campaigns create the demand -- make sure you get your share of sales by using Sunbeam displays in your slore and windows.

Display more -Sell more!

These arresting colour displays are backed by counter leaflets and price list inserts—forming an invaluable, packaged dealer service that's yours for the asking.*

FAST, SAFE

CONVENIENT

INDISPENSABLE TO FEMININE LOVELINESS

SHAVEMASTER

LADY SUNBFAM SHAVEMASTER

PRE-SHAVE LOTION

* In normal store

quantities, on request. See your

Sunbeam Sales Representative or write to: Advertising Dept., SUNBEAM ELECTRIC LIMITED, NERSTON, EAST KILBRIDE, GLASGOW

* From the makers of the ORIGINAL LINC-O-LIN BEER SHAMPOO

★ Here they are illustrated, both packs in delicate pink, blue or green in flexible polythene.



Hand Cream

INTRODUCTORY HANDBAG PACK

. . and of course in the

The Handbag Pack is already well launched by mass circulation editarials and special offers, and free samples of Linc-a-Lin Hand Cream distributed on a country-wide basis.

APPROX I OZ. RETAIL PRICE

> ELEGANT HAND' FOR HOME USE

APPROX 4 OZS. RETAIL PRICE 5/6

TWO PACKS DESIGNED TO SELL A REMARKABLY GOOD HAND CREAM which is highly concentrated, restoring chapped hands quickly to soft suppleness. It is protective and is delicately, very delicately, perfumed.

CHRISTMAS SELLING

Stocks available immediately

ORDER NOW FROM YOUR WHOLESALER

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lations.

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Page 3 medical examination.

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C 421

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